WALLACES' FARMER
and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

SEPTEMBER 3, 1955

Feed next year's crops now?

FALL APPLICATION of fertilizer has the "go ahead" from Corn Belt experiment stations.

So many farmers are taking advantage of fall price cuts and storing fertilizer over winter in their soil. There's little or no loss on most soils. In many cases, yields are higher than with spring application.

Fall application can save work, too, if you have fertilizer bulk spread. Pictured above is Russell Gould of Worth county, Iowa, showing Leonard Gorkowski where to spread 0-20-20.

Driest summer since '36 . . . 10

How many Cadillacs on farms? 14

Premium on clean beans . . . 30

How to tell meat-type boar . . 60

YOU SAVE UP TO ½ NEW TIRE PRICE

with Firestone NEW TREADS

WHY waste time trying to get your work done with worn tractor tires when it costs so little to get new tire traction and performance?

You can have Firestone Champion New Treads put on your old tires for as little as one-half the new tire price. If your worn tires are not retreadable, you can get Firestone Champion New Treads which have already been applied on sound, guaranteed tire bodies.

Firestone Champion New Treads guarantee new tire traction and performance, because they have the same high quality tread materials as used in new Firestone tires. The curved bar tread design, the tread depth and tread width is exactly the same as you get in a brand new Firestone original equipment Champion.

Only Firestone Guaranteed Factory-Method New Treads give you all these new tractor tire advantages. See your nearby Firestone Dealer or Store.

Always Buy Tires Built by Firestone, Originator of the First Practical Pneumatic Tractor Tire

Get More Traction with Firestone Tires on Your Car and Truck

The Town and Country is the greatest mud, snow or ice passenger car tire ever built. A quiet highway tire as well as a traction tire.

The Super All Traction truck tire takes hold and moves the load in mud, in snow, or on wet or icy roads.

Enjoy the Voice of Firestone on radio or television every Monday evening over ABC

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WALLACES' FARMER AND IOWA HOMESTEAD. September 3, 1955 (Vol. 80, No. 17). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1955, by the James M. Pierce Corporation.

Dad, with corn like this

No wonder the Big Swing is to Pioneer

Most corn growers who plant Pioneer seed corn share this opinion. That's why the swing to Pioneer continues . . . in a big way. This year, farmers planted about **200,000 more** bushels of Pioneer seed corn than last year . . . over **600,000 more** bushels than three years ago.

Pioneer's winning record in official corn tests, conducted by agricultural colleges and universities clear across the corn belt, backs up the judgment of farmers everywhere.

Right here in Iowa, Pioneer hybrids won first place in 2 of the 4 sections of the *Official 1954 Iowa Corn Yield Test.* And in the *Official 1954 Iowa Master Corn Growers Contest,* the two highest level land yields and the three highest contour yields were made by farmers who planted Pioneer in their contest field.

Yes, big, satisfying yields of sound ears are the reason for the big swing to Pioneer.

Order your Pioneer seed corn **now** for next spring.

PIONEER HYBRIDS

PIONEER HI-BRED CORN CO., DES MOINES, IOWA
GARST & THOMAS HYBRID CORN CO., COON RAPIDS, IOWA

Join the Big Swing to PIONEER

Hogs and Cattle

BY WALTER J. LEEDS

To sell more hogs — save more pigs!

THERE'S a lot of hog-raising sense wrapped up in that old saying. The number of pigs farrowed is important. But what really counts is the number of pigs weaned.

In other words, to sell more hogs, save more pigs!

Easy to say, but hard to do, isn't it? The first 8 weeks are the real headache in hog raising. That's when runts and poor-doers are lost. That's when scours usually take their toll.

Sure, good equipment in the farrowing houses can be a big help in saving baby pigs. But the best way I know to save poor-doers, to fight scours and to give pigs a good, fast start in life is this:

Get 'em on a nourishing dry feed early. A good pig starter can go a long way in overcoming a lot of these profit-robbing baby pig troubles.

Yes, a nourishing dry feed is a tremendous help . . . if you can just get the pigs to eat it early enough. That isn't always easy. Baby pigs have mighty finicky appetites.

Scientists have found a number of pig starter formulas that solve this early-eating problem—but with varying degrees of success.

One particular pig starter ration seems to be doing a real outstanding job in this respect. It was developed at the Nutrena Research Center. It is called Creep-20.

From what I've seen and heard, it looks like Nutrena's Creep-20 has gone a long way toward solving the problem of getting baby pigs on dry feed early.

A good many hog raisers tell me their pigs are nibbling away at Creep-20 when they are only 5 to 7 days old. Now, I'd say that is about the finest testimonial to taste appeal I've ever heard.

Taste appeal isn't the only reason Creep-20 is enjoying such big demand among hog raisers. Creep-20 is a tremendously nourishing creep feed. And it fights scours with high-level antibiotics, too.

Naturally, you'd expect this combination of taste appeal, nourishment and high-level antibiotics to produce big, husky litters at weaning age. And that's just what it does.

50- to 60-pound pigs in 8 weeks is not at all uncommon for Creep-20 feeders. And many, many folks who feed Creep-20 are mighty enthusiastic over the way it helps fight scours. In fact, any number of feeders have said — since feeding Creep-20 — they just haven't lost any pigs from scours.

When you "tote-up" all these advantages—pigs on dry feed early . . . big even litters in 8 weeks . . . real help in fighting scours—you can see that Creep-20 has made some real contributions to hog raising.

Of course, the best way to find out what it will do is to try it. And Nutrena folks make that real easy to do: Get a bag of Creep-20 this week, and try it on your first litter of fall pigs. If they don't eat it more eagerly than any other pig starter, just send the empty bag to Nutrena Mills, Inc., Minneapolis, Minnesota, and your money on the first trial bag will be refunded in full.

Certainly a fair offer, isn't it? And worth accepting, I'd say. Creep-20 may be just the thing to help you save more pigs—so you can sell more hogs. (Advertisement.)

Any elk on your farm? Probably not, unless you have a hobby like that of B. W. H. Broers of Cerro Gordo county, Iowa. Turn to page 62 for more pictures of the Broers collection of wild animals.

INSIDE STUFF

TO FARMERS whose crops have dried up, it seems impossible that a bumper feed crop is on the way. But it's a big country and showers have helped a good many farms.

HURRICANES in the east brought heavy rains to New York, Pennsylvania and New Jersey farms that had burned up in the hot sun. But it's a hard way to trade a drouth for a flood.

DO YOU have Blue Cross or some other kind of good hospital insurance? It certainly comes in handy when there's a hospital bill to pay.

IN IOWA, Farm Bureau members in most counties can join the Blue Cross. It's a good idea.

LOTS OF soybeans coming this fall. One new use is to convert soybean meal into food for people as well as livestock. Pakistan is going to try it out.

SOME KINDS of low-grade wheat will be supported at 20 cents under regular support price. But this only adds up to three percent of the total wheat crop.

REMEMBER HOW the Russians planted four times as much corn as usual this year? Some was planted on "new land" like our semi-arid northern plains. Rainfall is short this year and most of this corn will be cut for fodder.

CHARLES HEARST of Black Hawk county, Iowa, and other of our farm representatives in Russia have been asking why the Russians don't try grain sorghum on their semi-arid plains. Maybe they will next year.

YOU'VE READ about cabinet members getting out of private business that conflicts with government interest. Another suggestion is that congressmen do the same thing.

I WELL REMEMBER the agricultural committee member, years ago, who was in the market buying and selling cotton futures much of the time. This certainly influenced his judgment and his public statements on cotton policy.

MOST CONGRESSMEN are careful to keep free of associations that might give them a personal profit from legislation. But not all.

GRASSHOPPERS and heat make some of us remember 1934 and 1936. And a few remember 1894. But this is really a different year. Drouth-resistant strains of corn, fertilizer and a few more showers have made a difference.

YOU'LL NOTICE that Thompson is a favorite name for editors of this paper. John Thompson was an editor of the Iowa Homestead for years. He died in 1935.

AT PRESENT we have Art Thompson, the new editor, and Lee Thompson, the managing editor. The three Thompsons are not related. For more about Art Thompson, turn to pages 8 and 14.

—DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD

"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"

(Volume 80—Number 17)

DANTE M. PIERCE, Publisher, 1920-1955

RICHARD S. PIERCE, Associate Publisher

Published first and third Saturday of each month, at 1912 Grand Avenue, Des Moines, Iowa. Subscription price, postpaid, $1 for one year. Canada and foreign countries, $1.75 for one year.

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Entered as second-class matter, October 19, 1929, at the post office at Des Moines, Iowa, under the act of March 3, 1879.

A creep ration so tasty pigs nibble away on dry feed first week? We checked the story.

Man, how they love it!

By Walter J. Leeds

How do you get pigs on dry feed early? Many Corn Belt hog raisers have found the answer. It's a high-antibiotic creep ration that tastes so good, many baby pigs start nibbling away the very first week.

And the results in fast gains and healthy pigs are amazing.

Like a lot of other good hog raisers, Glenn Bruins of Fairwater, Wisconsin, was skeptical. He says, "I didn't believe pigs would eat at that age. But they did. And they averaged 47 pounds at weaning."

What is this tasty creep ration? . . .

It's called Creep-20, and it is a product of the Nutrena Research Center. Creep-20 gets this tremendous taste appeal from 50% rolled oats plus a blend of proteins that are especially tasty to baby pigs.

Roland Wesley

I found that folks who have tried Creep-20 are 100% sold on it. Roland Wesley of Waterville, Minnesota, is typical of this group. He says, "My pigs started eating Creep-20 when they were 5 days old. With this fast start they averaged 58 lbs. at 8 weeks."

Floyd Schrader of Allendale, Illinois, writes, "My pigs started nibbling away on Creep-20 the first few days. By the time they were 2 weeks old, they were cleaning up their creep pails and squealing for more. They love this Creep-20!"

Harry L. Mason

Harry L. Mason of Cedar Rapids, Iowa, says, "Everything they say about Nutrena Creep-20 is certainly true. My pigs ate it quicker than any other creep feed I have ever used."

And I noticed from these reports that many of these hog raisers were particularly pleased with the big, heavy pigs they were getting with Creep-20 . . .

Lawrence Cannon of Marion, Illinois, for example, reported 45-pound pigs at 8 weeks. And Roy Cockayne of Danbury, Iowa, says, "My 213 pigs averaged 45 pounds when I weaned them at 8 weeks."

Creep-20 is a real help in early weaning, too. Frank Coburn of Austin, Minnesota, finds that with Creep-20 he can often wean his pigs as early as two weeks of age. "And by feeding Creep-20 I avoid the weaning slump," he says.

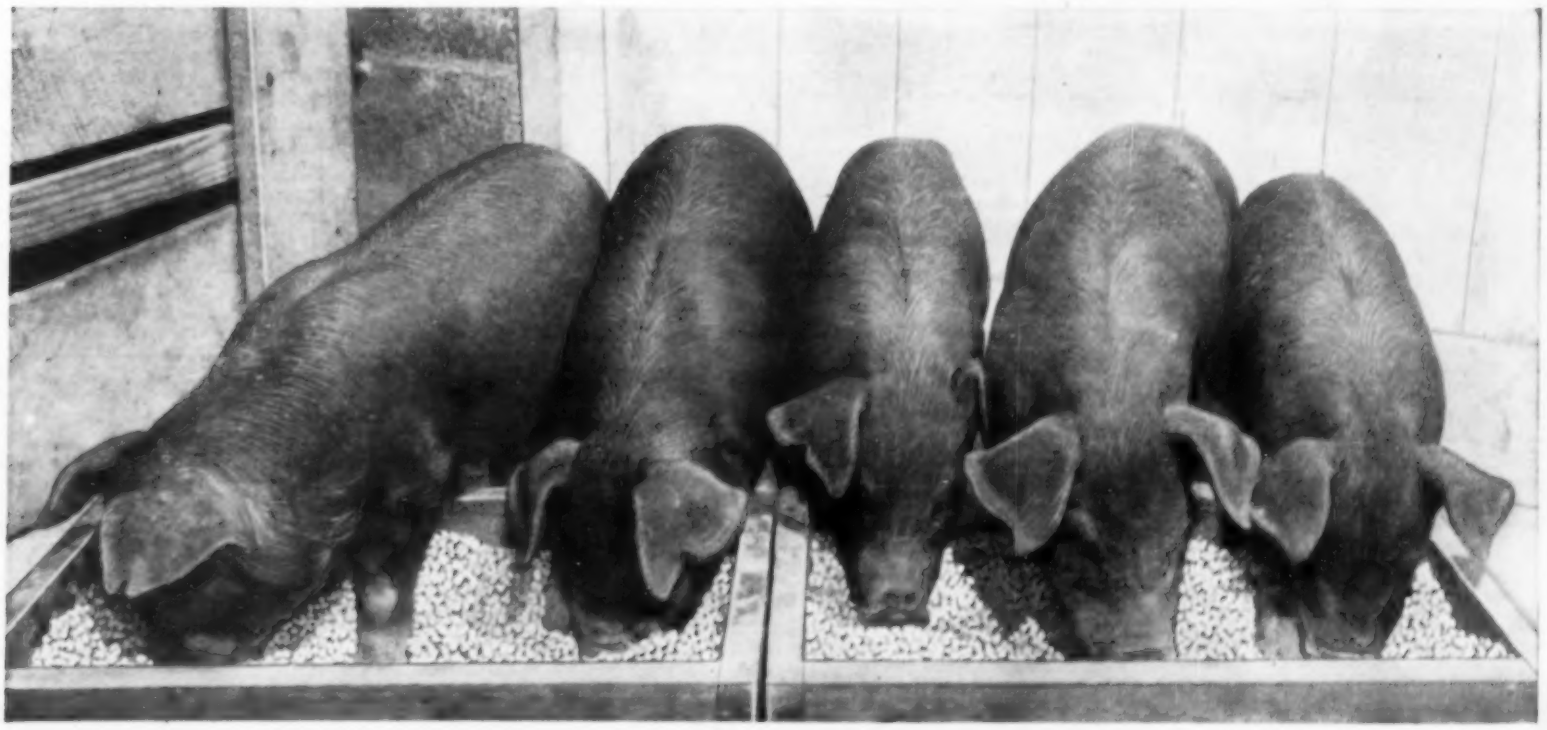
Nearly all of these Creep-20 feeders comment on the way it helps them solve the scours problem. A typical comment comes from Walter Horras of Fairfield, Iowa. "I have yet to have scours trouble, he says."

Walter Horras

I have space here to mention only a few of the favorable comments I received from my Creep-20 survey. Your Nutrena dealer will be glad to give you names of Creep-20 feeders right in your neighborhood—so you can check their results.

But better still, pick up a bag of Creep-20 from your Nutrena dealer. Put it in front of your pigs early—the very first week. If they don't eat Creep-20 more eagerly than any other pig starter, return the empty bag to Nutrena Mills, 200 Grain Exchange, Minneapolis, Minn., and your money will be cheerfully refunded.

I earnestly suggest that you take Nutrena up on this offer as soon as your first litter of fall pigs is farrowed. If you get results anywhere near as good as all these other Creep-20 feeders, you'll have your pigs off to a tremendous headstart toward market. (Advertisement)



CHECK KEWANEE BEFORE YOU BUY...

You can depend on KEWANEE ELEVATORS. They're ruggedly constructed to stand up under all the work you can give them—and still have something in reserve. You cannot overload a KEWANEE. KEWANEE ELEVATORS are your best buy for service and economy.

KEWANEE SAVES YOU LABOR

Combining your tractor power with KEWANEE'S WHEEL-MOUNTED SPIKE-TOOTH HARROW gives you better harrowing, more economical harrowing—and you save hours of time. Your present sections are usable with KEWANEE'S new, wide WHEEL-MOUNTED SPIKE-TOOTH EVENER. See it at your dealer's now.

KEWANEE CUTS DOWN HARROWING TIME

New—WHEEL-MOUNTED SELF-POWERED HOPPER has many labor and time saving uses on your farm. Back-straining loading and unloading jobs are speeded up and made easier. See the new KEWANEE WHEEL-MOUNTED SELF-POWERED HOPPER at your dealer's now.

KEWANEE SAVES YOU LABOR

New—A WAGON GEAR *really* wheel-mounted to handle a full 5 ton load under farm conditions. Heavy, 6-bolt wheels. Heaviest front and rear axles built on a 5 ton gear. Check KEWANEE'S sturdier construction before you buy.

KEWANEE SAVES YOU LABOR

All six sizes of the KEWANEE DISK are built of heavy, 3", 6 pound channel. Check the channel before you buy. KEWANEE'S heavier welded frame stays rigid, stays in the ground.

The new Model 12 (shown here) cuts a full 160"—4 rows.

Farmers who have compared—agree that the KEWANEE—the original WHEEL-MOUNTED DISK—is the best WHEEL-MOUNTED DISK.

KEWANEE CUTS DOWN DISKING TIME

Kewanee puts farming on wheels

Kewanee

MACHINERY & CONVEYOR CO. • KEWANEE, ILLINOIS

Behind The News

Expect action on farm issues

When congress meets in January, men of both parties will be under pressure

What will congress do about farm price support programs when it convenes again in January? This and other questions in the news are discussed by the editor.

IT IS now taken for granted that the 84th Congress' second session convening in January will act one way or another on farm price support legislation.

With total agricultural production expected to equal the all-time record, there seems to be slight chance for any substantial recovery in farm prices before the first of the year.

In fact, Agriculture Secretary Ezra Taft Benson conceded in a statement accompanying the July price report that there may be some further overall decline in the months immediately ahead.

This will put Republicans and Democrats alike under very heavy pressure to do something about shoring up prices. There are several possible courses of action.

1. The Senate may approve 90 percent of parity supports for farm prices. Such a bill was passed by the House of Representatives at the last session of congress.

This measure would almost certainly be vetoed by President Eisenhower. And its advocates don't have the necessary two-thirds majority in Senate and House to over-ride a veto.

2. A compromise program between the two extremes of flexible and rigid supports might be offered. The Senate agricultural committee is scheduling extensive hearings this fall to get at grass roots sentiment on the price support question.

3. There is even some talk of moving toward a commodity-by-commodity approach to price support problems.

4. The production payment plan, once called the Brannan plan, also is in the thinking of many lawmakers in Washington. The wool producers have a price support plan using these principles.

Attractive features of the production payment plan which keep it on the minds of congressmen are these:

Products would be allowed to sell at free market levels, thus relieving restrictions on trade which come thru other price support methods. Consumers would be benefited by lower prices. Farmers would get full support prices thru market prices plus government payments. Production payments can be used to support perishables.

* * * *

Domestic price support issues are necessarily linked to surplus disposal thru exports.

It's possible that congress may push thru a measure making it mandatory for Benson to offer huge amounts of cotton and wheat for export at cut-rate prices.

Any such move, however, would be certain to meet opposition in the State Department. They're naturally afraid that the U. S. will be accused of dumping surpluses abroad to the detriment of other friendly exporting countries.

* * * *

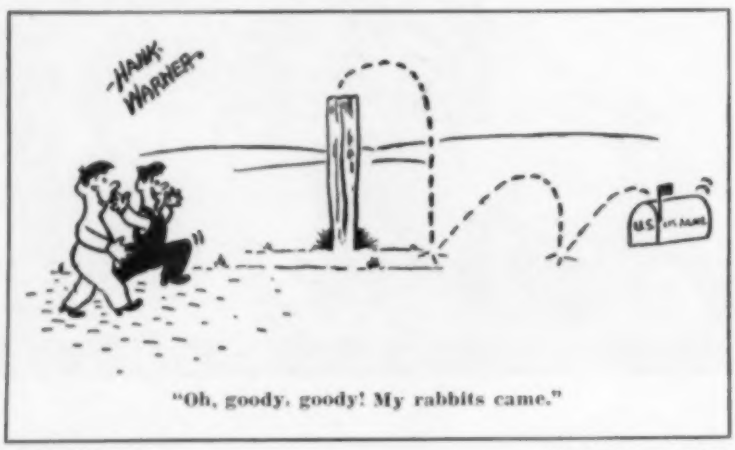
The Commodity Credit Corporation has contracted to buy 13,000 new steel bins to provide 43 million bushels more of storage space in acute shortage areas of Iowa, Illinois, Minnesota and Indiana.

Deliveries are to be made between September 15 and September 30. CCC estimates that it will cost about $10,300,000 to buy, ship, and set them up.

All of them will be used for storing 1954 crop corn which CCC will be taking over.

In announcing the purchase, agriculture department officials again bore down on the point that farmers should do everything they can to provide adequate storage for the heavy incoming crops on their own farms.

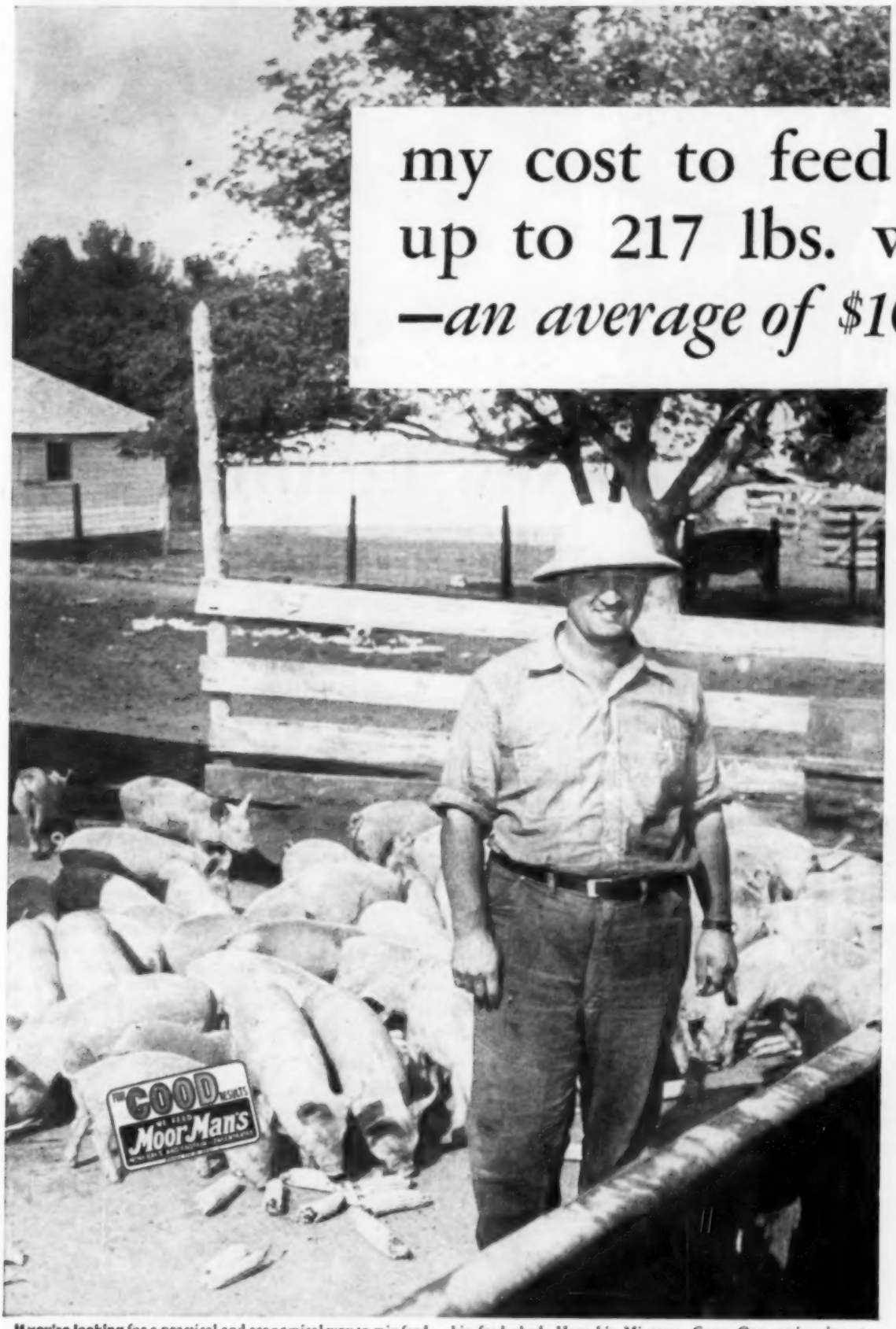
They pointed out that individual farm storage loans are available under which 80 percent of storage construction costs can be financed for four years at four percent.



"Oh, goody, goody! My rabbits came."

"... when I used MoorMan's Mintrate for Pigs and Hogs...

my cost to feed 278 hogs up to 217 lbs. was $6,386 —*an average of $10.58 a cwt."*



If you're looking for a practical and economical way to mix feed you'll find it on the Knudson farm. Mr. Knudson has his feed bunks on skids so they can be quickly and easily moved into his feed shed. Here his Mintrate, Corn, Oats ration is put through a burr mill that thoroughly grinds, mixes and chutes the finished ration into the waiting bunks.

"I've been on a MoorMan program for 5 years now, and my experience convinces me that Mintrate feeding is a certain way to greater livestock profits," says Domar Knudson, Dixon County, Nebraska.

"For example, here's my feeding record on 278 pigs farrowed from 36 sows last spring. These pigs were started on MoorMan's Mintrate* for Pigs and my own corn. At about 90 lbs. they were switched to a MoorMan's Hog Mintrate 45 and corn ration and kept on that until market.

"Two hogs were held back for butchering. The other 276 had a total market weight of 59,920 lbs. —or an average of 217 lbs. each. The 276 brought me a total of $10,796.35—or a net return over feed cost of $4,410.23. That figures out to $15.98 return per hog not including the butcher hogs.

"Here's how I figured my feed cost for the bunch. MoorMan's Mintrate for Pigs and MoorMan's Mintrate 45 for Hogs $1,266.62 . . . 2980 bu. corn at $1.40—$4,172.00 . . . 1150 bu. oats at 65c—$747.50 . . . pasture charge $200.00— a total of $6,386.12. That gave me a total feed cost of $10.58 a hundred pounds of pork, averaging in the butcher hogs —a total out-of-pocket cost of only $4.59 per hog.

"That's typical of the results I get from Mintrate feeding and why I consider it a profitable operation."

There's nothing unusual about Mr. Knudson's production cost—*if you feed MoorMan's.* Thousands of hog raisers have told us that by supplementing their home grown grains with MoorMan's Mintrates their cost is equally low.

These men have found that the scientifically blended mineral, protein vitamin combination in Mintrates releases more of the pork-building nutrition in corn—helps push pigs along faster and helps their hogs make more economical gains. Ask your MoorMan Man for an estimate on what it will cost you to bring *your* next bunch of pigs to market *with your own corn* and MoorMan's. Or, if a MoorMan Man doesn't call, write Moorman Mfg. Co., Dept. S69, Quincy, Ill.

"Steers gain 2.49 lbs. a day on Fat Cattle Mintrate"

—SAYS MR. KNUDSON

"Last October my MoorMan Man told me about the new Mintrate Pellets for Fattening Cattle that had just been put on the market, and I decided to try them on a short lot of 14 cattle I had just bought. The 14 weighed 9,450 lbs.

"I put them on the Mintrate Pellets (without Stilbestrol) and corn for exactly 100 days. When I sold them they had made a gain of 3,485 lbs.—or practically 2½ lbs. a day. That, to me, is another indication of what Mintrate will do for my livestock when I combine it with my own grain."

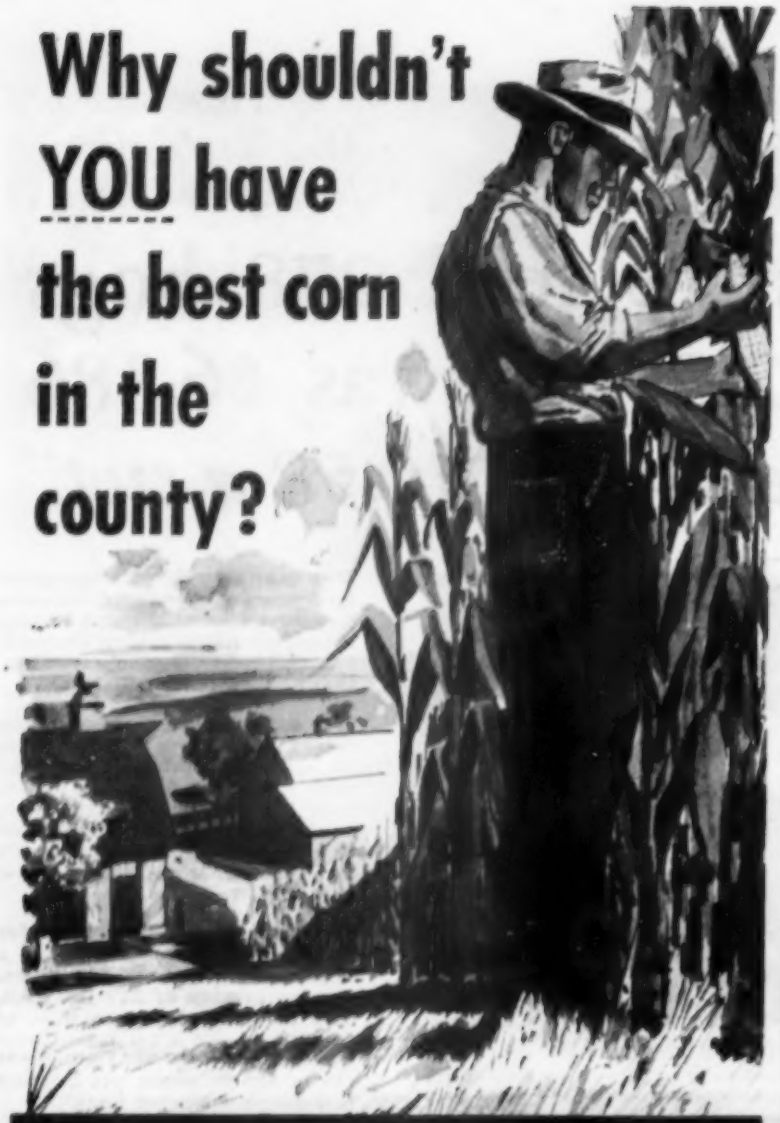
MoorMan's*

Since 1885—70 Years of Friendly Service

MINTRATE 45 FOR HOGS

—one of 10 mineralized protein and vitamin concentrates that help livestock and poultry make better use of home-grown foods.

*Trademark Reg. U.S. Pat. Off.



UNITED-HAGIE

GUARANTEES YOUR CORN YIELD

United-Hagie hybrid seed corn is guaranteed to produce as well or better than any other corn of like maturity you grow under similar conditions . . . or your money refunded after an official check.

YOU GET this amazing yield guarantee *only* from United-Hagie. You get it because United-Hagie hybrid seed corn is setting records like these: Iowa Corn Yield Test; Northern District — 5 of 6 United-Hagie hybrids entered rated in the top group, with performance scores of 100 or better. North Central and Southern Sections: United-Hagie again rated at the very top.

There are good, solid reasons why United-Hagie hybrids are setting records in the corn belt.

UNITED-HAGIE "KERNEL-KOATING" PROTECTS AND FEEDS THE SEED—this exclusive process coats the kernels with both disease resistant and nutritional elements. It protects the seed from soil-borne diseases, fungi and cold for good germination. It gives the sprouting seed its first meal, for a fast, sure start.

BIN BUSTER VARIETIES GIVE YOU BUILT-IN WEATHER INSURANCE—Each hill you plant contains plants with roots that go down to different depths in the soil and thus do not compete for moisture and food. This means you can plant it thicker, too, for bigger yields.

THERE ARE MANY OTHER REASONS why United-Hagie hybrids can give you the best corn in the county. They are especially bred for higher shelling percentage (more corn, less cob), sturdy, disease resistant stalks. And, planter-plate graded to help you get an evener, fuller stand.

WITH NO OTHER HYBRID can you be so sure of a bumper crop to harvest. You get a yield guarantee, a replant guarantee (whatever the cause), and, except for a small down payment, you can pay for your seed anytime before November 1. Have the best corn in the county next year. *Plant United-Hagie.*

YOUR UNITED-HAGIE DEALER . . . attends regular briefing sessions at our research and development facilities. He is well trained to help you select the best variety for your soil and climate. Drop a postcard for his name and address to United-Hagie Hybrids, Inc., Des Moines 9, Iowa, today.

UNITED-HAGIE
HYBRIDS
Grow and Compare

New editor of Wallaces' Farmer and Iowa Homestead is shown. On the farm he has been operating the past seven years, Art Thompson looks over his meat-type hogs.

New Editor—Art Thompson

Donald R. Murphy tells about new editor of Wallaces' Farmer and Iowa Homestead

On page 14, Richard S. Pierce, associate publisher, announces the appointment of Arthur T. Thompson as editor of Wallaces' Farmer and Iowa Homestead. In the following article, Donald R. Murphy, editor from 1933 to date, tells more about the new head of the editorial staff.

FARMERS who went to the old corn-husking contests back in 1935 and later will remember a tall, lean fellow in a trench coat and high boots who was all over the field, sorting out complications and settling arguments. That was Art Thompson.

Running corn-husking contests wasn't all he did for Wallaces' Farmer and Iowa Homestead in those days. Art also visited a great many farms, wrote articles about corn and hog raising, and attended fairs and other meetings.

I first met Art in 1930 and soon signed him up to work for the paper. But even before that, for a young fellow, he had had a lot of experience.

He was raised on a farm in Cass county, graduated from Iowa State College, worked as a herdsman for two purebred beef cattle farms, and had a reporter's job on papers at Creston and Ames before he came to us.

Art came to Wallaces' Farmer and Iowa Homestead at a tough time. Prices were dropping. The great depression was starting. It was harder for an editor to find helpful things to tell farmers than at a period when prices were on the upgrade.

When the Agricultural Adjustment Administration was started early in the New Deal, Art was called down to Washington to help on passing out information to farmers about the new programs. Most of the time, he worked with the corn-hog division.

In the late summer of 1935, I managed to get him back on the farm paper again. He stayed with us then until the fall of 1942.

With the war on, Art had another call from Washington. I'll list some of the jobs: Head, livestock and livestock products division, Office of Foreign Agricultural Relations, U. S. Department of Agriculture; Secretary of Combined Food Board (war-time allied food allocation agency); Secretary, U. S. government's inter-agency food requirements and allocation committee.

As the war drew to a close, the government still felt it had a claim on Art Thompson. He was sent as agricultural attache to Buenos Aires, Argentina, and served there from November, 1945, to January, 1949.

Iowa and the farm drew him back. He wanted his son, Charles, to grow up in the United States and he wanted to try farming again for himself.

So in February, 1949, Art, his wife and son moved to a 160-acre farm in southern Greene county, Iowa.

This year he put his allotment of 57 acres in corn; his sows farrowed 245 spring pigs. The first lot of those pigs went to market weighing about 200 pounds at a little under five months.

He's holding on to the farm, but a renter will operate it. Art and his family have moved to an acreage four miles southwest of West Des Moines.

While welcoming Art, I'd like to repeat what Dick Pierce said on another page. This is an addition to the staff. Wallaces' Farmer and Iowa Homestead already has a highly competent staff of editors.

It has been a great pleasure to me to work with Homer Hush, Lee Thompson (no relation, incidentally), Dave Bryant, Al Bull, Ray Franklin and Zoe Murphy and I'm glad that Art will have the same folks to help him. And, of course, I hope to be useful myself with the Wallace-Homestead Poll and in other ways.

THESE ARE 2 SURE WAYS TO WORK MORE ACRES per GALLON

GASOLINE, LP GAS OR TRACTOR FUEL ENGINES

1 MM ZB TRACTOR

for fuel stretching 3-plow power

Step up your power with this husky, 3-plow ZB tractor and *see* **how farming costs drop!** You choose **gasoline, LP gas or tractor fuel engines**—each factory-engineered to get every penny's worth **of power out** of every gallon of fuel you use. There's a complete **line of matched MM machines** for the ZB to let you tackle every **job with time-saving 3-plow capacity. You'll farm extra acres** every day with this advanced ZB, the tractor built to do *more!*

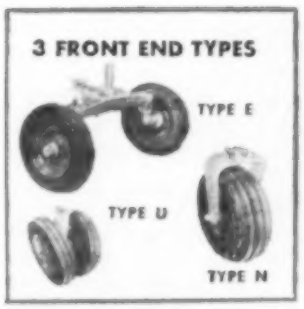
GASOLINE, DIESEL, LP GAS OR TRACTOR FUEL ENGINES

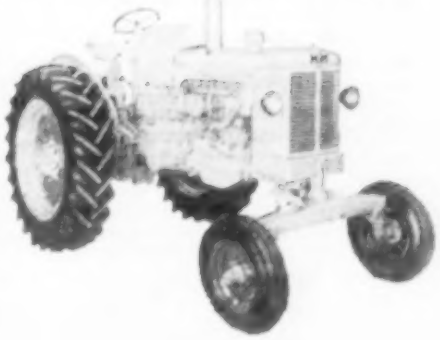
2 MM UB TRACTOR

for lowest cost 4-plow power

When you farm with this UB tractor, you farm with the fuel that saves you most, and hitch money-making 4-plow power to every job. Gasoline, LP gas, diesel fuel and tractor fuel—there's a UB engine factory-engineered to give you top fuel economy on each. The extra endurance and rugged simplicity that's a built-in advantage of all 4 UB engines helps you *make* money and *save* money, on job after job, in crop after crop. If 4-plow power is what you're looking for, ask your MM Dealer for a show-down demonstration of the power-packed UB. He'll *prove* performance outstanding in the field!

meet the NEW UB SPECIAL





with POWER STEERING and 3-WAY FRONT END

Here's touch-controlled 4-plow power that fits every job! It's the new Minneapolis-Moline UB Special, bringing you three fully-interchangeable front ends, and as special equipment, the most advanced power steering system in the field! Easy change-overs give you single wheel, dual wheel or extended front ends . . . all steered by hydraulic power. See this new MM UB Special at your MM Dealer . . . *now!*

MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA *trusted quality since 1825*

NOW is the time to get that StormSeal roof laid—either on top of your old roof or on new construction. Cutting and nailing is all it takes—and you have a glistening new weather-tight building, ready to protect your livestock, machinery and crops against wind, rain and winter for years to come.

Long-lasting USS StormSeal gives you maximum protection against fire, too, and lightning when properly grounded. Maintenance costs are kept to a minimum. And StormSeal is priced low.

StormSeal is available in both the standard galvanized coating, and the extra-heavy, extra long life *Seal of Quality* coating. Your StormSeal dealer handles a complete line of accessories, to give your installation a "custom-fit" look.

Stop in at your StormSeal dealer soon, and see these five distinctive features, available *only* in StormSeal:

- **Pressure Lip.** Slight depression in lower end of sheet for pressure contact between overlapping sheets at end laps. Eliminates seepage of wind-driven rain and snow.
- **Triple Cross Crimp.** Three dams to stop rain from being blown under end laps, or drawn in by capillary action.
- **Twin Drain.** Double safety drains—double insurance. They trap any moisture that might get into lap areas and drain it off.
- **Flat Top Seams.** Make nailing easy.
- **Tension Curve.** Slight arch to each sheet makes it fit snugly to roof decking.

In addition to StormSeal, U.S. Steel makes top quality 1¼" and 2½" corrugated and 5-V Crimp Sheets for roofing and siding, available in both standard galvanized and *Seal of Quality* coatings.

USS Formed Roofing and Siding products are made from steel sheets, coated with a certified, uniform, protective zinc coating, produced in accordance with American Society for Testing Materials Specification ASTM A-361.

UNITED STATES STEEL CORPORATION

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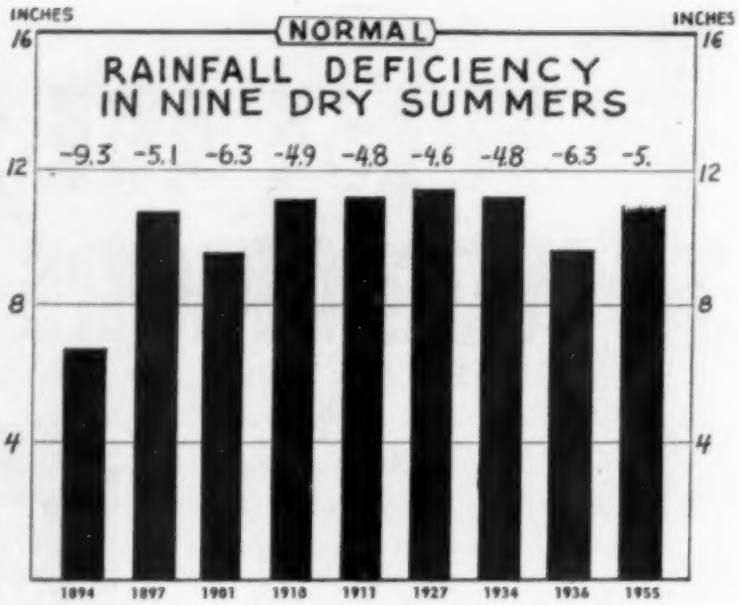
USS STORM SEAL

UNITED STATES STEEL



Summer rainfall for nine of the driest summers in 65 years is shown here. Normal rainfall of 16 inches is shown by the heavy line at the top. Deficiencies for each of the years are shown by figures above columns. Rainfall for summer of 1955 shown in right hand column is partly estimated as figures for late August are not available. But 1955 rates as one of the years with extremely dry summer months.

Summer driest since 1936

Rainfall deficiency averaged about five inches in crop growing season

HOW dry was the summer? Crop growing season in Iowa was driest in 19 years.

Since the beginning of this century, only 1936 and 1901 had drier crop seasons than we had this year.

Going back 65 years, this crop growing season rates with the nine driest. But it doesn't equal the three worst summer drouths —in 1894, 1901 and 1936.

This year's Iowa rainfall, for the period when corn was being made, totalled around 11 inches.

That's an average for the state, of course. Some areas got more and some even less.

This 11 inches of rainfall compares pretty well with the amount received in the crop growing seasons of 1934, 1927, 1911, 1910, and 1897.

Since the average, or normal, is about 16 inches, the deficiency for these summers is about five inches.

However the deficiency for the really bad drouths in 1936, 1901 and 1894 was much more than five inches.

In 1936 and 1901, the rainfall deficiency was over six inches compared to five this year. And in the year of greatest drouth, 1894, the summer rainfall deficiency was more than nine inches.

The chart at the top of the page shows rainfall deficiencies for the nine dry years. You'll find it easy to make comparisons with 1955, shown in the right hand column.

(Crop season ordinarily includes May, June, July and August. However, figures above do not include rainfall in the last days of August 1955 as totals are not available. Late rains had little effect this year anyway.)

A look at corn yield figures indicates that dry weather does more damage some years than in others. Why is that?

Two factors make most of the difference — temperature and distribution of rainfall by months.

Hot, windy weather evaporates moisture rapidly and burns the corn. Extreme heat accompanied dry weather in the summers of 1936, 1934 and 1894. Corn yields were cut in half or even more.

In some other dry seasons, corn crops were two-thirds or three-fourths of normal. Examples are 1910, 1911 and 1927.

Reasons were cool weather or the fact that rain came in July and early August when corn needed it most.

Now let's look at this year's weather and crops. We had short rainfall and hot weather. But it appears now that corn crop damage will not compare to the worst years. It will be more like the less disastrous dry seasons.

Reason is that July rainfall was 3.29 inches, just 0.31 less than average.

With a slight shift in the timing of the rain, damage could have been a great deal worse.

Or with less heat in July and August, the bumper crop indicated on July 1 might have been made. We've had good corn crops when rainfall was around 12 inches, one inch more than this year. But such crops usually came when temperatures were moderate.

You don't have to move to grow 100 bushels of corn per acre. You can make this yield on your present corn land by following Crow's Corn Growing Program and planting Crow's Premium or Regular Hybrids.

Big corn yields per acre make high profits. Why work for state average yields when you can grow 100 or more bushels per acre with Crow's Program.

Any Crow's Hybrid can make this yield when you give it a chance to do so. Crow's Program provides for having your soil analyzed by Crow's Soil Department. You will then receive Crow's Corn Growing Program for your particular corn field.

You pay nothing extra for Crow's soil treatment recommendations when you plant

CROW'S HYBRIDS

See Crow's dealer now—let him tell you about Crow's Corn Growing Program and how it can help you make more money on your corn crop next year.

"My corn yielded 105 bushels per acre following Crow's Program. The corn was excellent quality — ears were filled and very uniform."
Everett G. Rouw
Oskaloosa, Iowa

"My corn yield last year with Crow's Hybrids averaged 100 bushels per acre. I recommend Crow's Program to any farmer to get the best yield on his soil."
Floyd Headley
Kaneville, Illinois

"We made thin land yield 175 bushels of corn per acre when we started following Crow's Corn Growing Program".
M. H. Lake
North Judson, Indiana

"My corn yield increased 30 bushels per acre when I started following Crow's Corn Growing Program. I have planted Crow's Hybrids for over 16 years."
Henry Dahm
Wheatfield, Indiana

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All Crow's Hybrids have Crow's Film-Coating for dependable protection in cold, damp soil.

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best thirty years ago...

still better today!

PROVED...

by three generations of 'Sweet Lassy' feeders!

"Our family has fed cattle for over 65 years . . . no other kind of supplement gives us such big, fast, efficient beef gains!"

26 years ago Mr. W. A. Berg gave high praise to SWEET LASSY after his Angus herd won top honors at the 1929 International. Mr. Berg praised SWEET LASSY because, after 40 years of feeding cattle, he felt he had found the best supplement on the market. Mr. Berg was a booster of SWEET LASSY because it brought him results and profit. His son and grandson still feed SWEET LASSY and are as thoroughly sold today as was the senior Mr. Berg.

LEO BERG
Parnell, Missouri

When three generations of successful cattle feeders praise the results of a supplement, that's certainly proof beyond a doubt that SWEET LASSY gives your cattle the proper nutrients to bring profit and results. SWEET LASSY has been a leading cattle feed for 30 years.

Available with Stilbestrol

It all adds up to the greatest beef building power ever developed! So put your cattle on SWEET LASSY today!

Let your SWEET LASSY dealer help you work out a complete, more profitable feeding program. SWEET LASSY is available in range or bunk size pellets. SWEET LASSY is manufactured in 11%, 22% and 30% protein. Vitamin "A" can be added where it is needed.

BILL BERG
Herdsman for
H. A. Jones Stock Farm
Parnell, Missouri

SCHREIBER MILLS, INC.
ST. JOSEPH, MISSOURI

Family benefits make social security appealing to young mothers like Mrs. Roger Morrison of Ringgold county, Iowa. Survivor benefits mean that families of younger farmers will have a steady income if something happens to them.

Farmers tell the Wallace-Homestead Poll: We want . . .

. . . Social security

by **Ray Franklin**

FARMERS now have social security coverage. In Iowa, a majority of the farmers, when checked by the Wallace-Homestead Poll, have consistently favored social security coverage for farmers.

Younger farmers recognized the benefits their families would receive if something happened to them.

A young Marshall county farmer said, "We figured up last week what social security would do for our family if something happened to me. We're for it."

Older farmers, both owners and renters, liked the retirement benefits.

But even after Congress passed the law including farmers in social security, some people maintained that farmers would like to be taken out of the social security program.

What do farmers say about it? The Wallace-Homestead Poll asked a cross-section of Iowa farm people.

More than half—57 percent—were enthusiastically for social security; mildly in favor—21 percent; strongly against—17 percent; and undecided—five percent.

An older Chickasaw county farmer said, "I'm for social security for farmers. The fact is that one-half the income from the average 160-acre farm after taxes and upkeep are paid isn't enough to support a person in his old age. So the social security check would come in handy."

Farm Bureau members and non-members voted much alike, but with members giving the program a little more support:

	Farm Bureau Members	Non-Members
1. Approve	57%	55%
2. Mildly approve	20	22
3. Against	15	21
4. Undecided	8	2

Older farmers will get the best bargain from social security. A farmer nearing retirement age will pay only a small amount of tax before he's eligible for retirement benefits.

"They had to start somewhere so the older farmers do get retirement benefits soon. They can't get the family benefits our families will get if something happens to us," says a young Henry county farmer.

Renters gave social security more support than owners:

	Owners	Renters
1. Approve	55%	61%
2. Mildly approve	16	28
3. Against	22	10
4. Undecided	7	1

A Clayton county farm owner remarked, "We are against social security for any class. Anyone who is able-bodied ought to be able to lay aside enough for his old age. Why should the government take care of those who don't save?"

But a young Iowa county renter says, "I'm for it. I think social security is a good thing."

A Cherokee county farmwife commented, "My neighbor was killed this spring by a tractor accident. He left a wife and five children under 12 with nothing but a pile of debts. How nice it would be if she could get social security."

Farmers like social security

The Wallace-Homestead Poll asked:

"Do you favor or oppose having farm people come under the social security program? Check the statement that comes closest to your views." Iowa farm people answered:

	Age 20-34	Age 35-49	Age 50 up	Total
1. I'm for it. It protects your family now and your old age later	53%	62%	56%	57%
2. I like the benefits, but three percent is a lot to pay	31	20	13	21
3. I'm against it. Just another tax and more government interference	14	15	21	17
4. Undecided	2	3	10	5

Art Thompson

Our New Editor

For several years, my father and I have been working on plans for the second 100 years of Wallaces' Farmer and Iowa Homestead. One of these plans involved the enlarging and strengthening of the editorial staff.

As a step in this direction, a year ago we asked Arthur T. Thompson to come back to the paper as editor. He has accepted and will be on the job beginning with our September 17 issue. I regret that my father could not have lived to see this one of our plans working out.

Donald R. Murphy, editor for 22 years, will continue with the paper as associate editor and director of the Wallace-Homestead Poll. Mr. Murphy leaves the arduous job of editor at his own request. The other members of the staff—Homer Hush, Lee Thompson, Dave Bryant, Al Bull, Ray Franklin, Zoe Murphy—continue as before.

Our new editor was raised on a Cass county, Iowa, farm; was graduated in agricultural journalism from Iowa State College and worked on three Iowa newspapers before coming to Wallaces' Farmer and Iowa Homestead as an assistant editor in the '30s.

Art has since served several times in the United States Department of Agriculture, with the Agricultural Adjustment Administration, the Office of Foreign Agricultural Relations and as agricultural attache at Buenos Aires, Argentina. For the last seven years, he has been running a 160-acre corn and hog farm in Greene county, Iowa, single-handed except for the usual family help.

Art Thompson's unusually broad background as well as his editorial skill make him an ideal choice to head the editorial staff. I'm happy to welcome him back to the farm paper.

Richard S. Pierce,
Associate Publisher

Editorials...

Buy Corn For Hogs?

IT'S TIME to plan for your spring pig crop. What's the prospect? Should plans be changed because of drouth damage to corn?

You'll need to look at conditions on your own farm. Then consider these points.

Feed may be a little higher in some areas because of hot, dry weather. But no big price change can be expected. Feed supplies in the country will be ample.

Pig crop for next spring may be cut on some farms because of disappointing corn yields. But for the whole country, the pig crop promises to be very large.

Chances still are that hogs will be cheaper than corn in the next year. Or that hog raisers will simply be trading hog dollars for corn dollars.

If you want to avoid risks, keep sow numbers in balance with the corn you will raise on your own farm. If drouth reduced your corn, reduce sow numbers.

The year ahead doesn't look like a time when it will pay to buy very much corn to feed hogs.

How many Cadillacs?

See if your farm fits the description given by the New York Times

HOW many Cadillacs do you own? And is your farm home equipped with "indoor toilets, food freezers, automatic clothes washers and driers, refrigerators, oil heat," etc., etc.

If you aren't fixed up this way, complain to the New York Times.

When the Russian visitors were here, the Times sent a special correspondent out to watch the tour. His name is Harrison Salisbury. Unlike Seth King and Bill Blair, also of the Times and men who know the farm belt, Salisbury brought with him some standard eastern delusions.

One of those delusions is that all Corn Belt farmers are rolling in wealth and therefore that all federal farm programs should be stopped at once.

So Salisbury, quite innocently, echoed this nonsense when he came to Iowa. In the Times of July 24, he wrote:

"These Iowa farmers live in fine, comfortable, six to eight room homes. Most of them have running water. They all, or practically all, have indoor toilets, food freezers, automatic clothes washers and driers, refrigerators, television sets, oil heat and a thousand and one other mechanical contrivances for making life pleasant . . .

"The ordinary Iowa farmer . . . has a minimum of two cars and they are usually brand new Buicks or Oldsmobiles or Cadillacs."

Now what are the facts? What kind of car does an Iowa farmer drive? The latest research by Wallaces' Farmer and Iowa Homestead shows this distribution:

Ford, Chevrolet, Plymouth	**72.3**	**percent**
Buick	**6.2**	**"**
Oldsmobile	**6.2**	**"**
Cadillac	**0.4**	**"**

Average age of all cars—5.4 years.

How many Iowa farms have indoor toilets?	**60.1%**
How many Iowa farms have automatic clothes driers?	**9.2**
How many have television sets?	**56.0**

The Iowa farm market is not saturated with TV sets, home appliances and water systems. There is a great and expanding market here—provided farm income holds up.

That is why Wallaces' Farmer and Iowa Homestead keeps insisting that maintaining reasonable farm product prices is important, not only to farmers, but also to the people who make TV sets, kitchen equipment and farm machinery. And so this paper keeps hammering for a program that does something effective for livestock, dairy and poultry products.

In the meantime, we hope that the New York Times and the eastern press generally will recognize the fact that the average Iowa farmer does not today have everything he needs or even everything that most city families have.

The Iowa farmer provides a fine market for many products now but he'll provide a much bigger market for farm machinery and home appliances if the farm program can be revised to give him a reasonably good and stable price for hogs, eggs and milk.

Farm or City?

IF YOU'RE a boy or girl on a farm, the chances are about 50-50 that you'll have to go to a town or city to find a job.

Farm population has gone down over nine million in the last 20 years. It's estimated that from five to eight million young folks have gone to towns or cities for jobs in the 20-year period.

Farm population is still shrinking. And more young folks will have to find jobs in cities and towns.

If you lack interest or foresee difficulty in starting farming on your own, better consider going on to college or a trade school. Or perhaps try a job in town.

If you still love farm life after being exposed to town or city ways, you should try hard to stay on the farm.

If you can forget farm life easily, go ahead and prepare for some town or city work you think you will like.

Wish For Wet Season?

WHEN A DRY summer hits the corn crop, we wish for years of plentiful rainfall.

And maybe we forget that wet and cold weather can hurt corn crops as well as hot and dry weather.

In 1950, the Iowa corn crop averaged 48.5 bushels per acre. In 1951, the average was 43.5 bushels. These were wet, cold seasons.

Yields are often better than that in a dry season. And corn in dry seasons always gets mature and will keep.

What'd she say? **Leroy Brus of Crawford county, Iowa, interprupts dairy chores to take a call from his wife. Brus put in a phone system when he couldn't hear a voice summons above milking machines.**

Odds and Ends . . .

. . . ONE REASON that lower farm product prices don't increase consumption is that consumers don't get the benefit. The Nebraska Livestock Feeders Association reports that while choice steers dropped five dollars a hundred, retail cuts stayed at the same old level.

. . . RESERVES of rubber and minerals, owned by the U. S., add up to five billion dollars or more. About $800 million is being added annually. Queer that nobody complains about this, while the air is full of screams about feed reserves. You need feed in a war too.

. . . BUTTER STOCKS held by the government totalled 236 million pounds on July 31. Cheese stocks amounted to 284 million pounds on the same date. In spite of dry weather, more cheese and butter is being bought.

. . . FEED CROPS are good in the south this year. For three years past, many southern states have had bad luck with dry and hot weather.

. . . OUR DRY SUMMER may have seemed particularly trying because we are not used to that kind. From 1940 to 1954, 11 of 15 summers were wetter than average.

. . . BUSINESS CONDITIONS are measured by Gross National Product (GNP). That's the total output of goods and services. In the second quarter of this year GNP was estimated at an annual rate of 383 billion dollars, highest on record. There was also record employment at 64 million jobs.

. . . AVERAGE AGE of barrows and gilts marketed from Iowa farms has gone down from 7.3 to 6.8 months since 1952. Better feeding methods, earlier marketing, or both have cut two weeks off the time required to make a market hog.

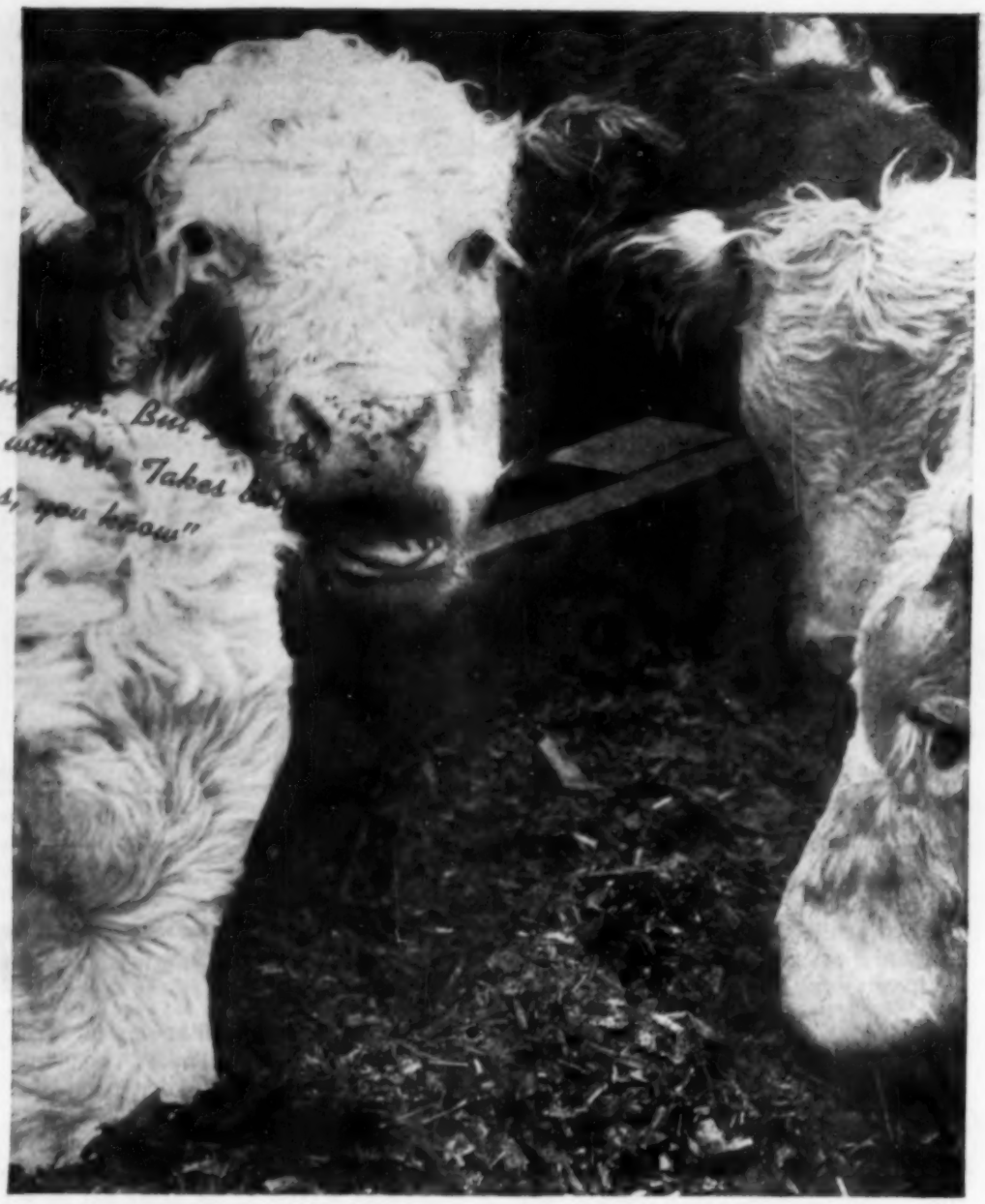
. . . LOANS to buy family sized farms thru the Farmers' Home Administration might be a little easier because of a new law. Loans are no longer classified as real estate loans. So banks, with a limit on real estate paper they can hold, will be able to make more loans.

. . . MILK PRODUCTION in July for the U. S. was one percent above July, 1954. Production for July this year was largest for any July since 1947.

Song of the Lazy Farmer

MY NEIGHBOR gets a lot of fun from doing things upon a run; he's happiest when he can do his work at least a week or two ahead of anyone around. That's why he's busy plowing ground before the fishing season ends; and why, midst winter cold, he tends the baby porkers that appear at least five months 'fore mine are here. That crazy guy will overhaul a tractor ere it spits at all; he'll paint his shed and barn with zeal before they even start to peel; he'll launch a big fence-mending spree before a post is down, by gee.

I s'pose it's nice to be prepared, but I am glad that I was spared the genes that cause a man to churn around with energy to burn. I haven't found good reason yet for working up a great big sweat o'er something that won't suffer much if it's put off a month or such. Sure, early pigs might sell for more, and it might rain next spring before my plowing's done, and I admit a tractor's better when it's fit. But it's important, too, to rest so health is maintained at its best; that's why I never do a thing if it can be postponed, by jing.



"Sure, I'll grow on rou[illegible] same supplement along with [illegible] rations for efficient gains, you know"

Cheaper gains

for your beef cattle. Here are ideas that help keep costs down

STILBESTROL heads the list of cost cutters for many farmers fattening beef animals.

Summary of tests at nine experiment stations showed lower feed costs in all but one test. Average cost reduction was 12 percent.

In general, stilbestrol helped high grain rations most. It gave least benefit when grass silage was fed.

Purdue University workers tried cutting labor by self feeding both supplement and corn in drylot.

Steers ate 55 percent more protein when self fed. But 12 percent less total digestible nutrients produced 100 pounds of gain. Rate of gain jumped more than a fifth of a pound per day. Selling price was higher.

No undesirable effects showed up. But don't try self feeding with a standard stilbestrol supplement. Cattle would be getting more than recommended 10 milligrams per day.

You might get around this by mixing similar supplements — one with stilbestrol and one without. Check supplement consumption carefully first.

"Don't skimp on protein supplement to cut costs," warns T. C. Clary of Whiteside county, Ill.

"Only safe way to cut supplement cost is by buying one with lowest cost per pound of actual protein," he figures. Supplement with more protein may cost more per ton. But cost per pound of actual protein may be lower.

McMullin Brothers of Wapello county, Iowa, think big gains on roughage are the key to lower beef costs.

"We start with 500 to 700 pound animals. They'll add a lot of pounds on good forage," points out Bob McMullin.

Summer pasture is alfalfa-brome. There's not an acre of bluegrass on the McMullin place.

First cutting of alfalfa-brome goes into silo. Chance of rain damage is too great for hay, McMullin thinks. Second cutting has better chance of making high quality hay.

"We are not substituting grass for corn in the rotation," points out McMullin. "You can get too much land in grass. We are just trying to make full use of alfalfa needed to keep land in good shape."

"Actually, corn silage is the cheapest feed we have. Gives more feed value from each acre of corn," he adds.

A full feed of corn gives a short, fast finish to make animals grade high good to choice.

A. L. Neumann, University of Illinois beef specialist, agrees that roughage can cut beef costs.

"Improved varieties and better harvest means cheaper, more nutritious forage," he points out.

"So, there's no need to limit winter feed to that needed for growth gains. Steer calves wintered to gain a pound and three-fourths made cheaper gains than calves gaining only three-fourths pound per day," he adds.

"Extra winter gain can cost less than 15 cents a pound," he figures. That's less than most summer gains. And it can let you market earlier.

Some feeders cheapen gains a little by chopping green forage and hauling it to cattle in the feedlot. This increases forage yields. It has best chance of paying when you would be short of forage otherwise.

Unmarketable roughage makes low cost beef. Extra growth on new seedings can be bonus feed. But be careful not to damage the stand.

Stalk fields can be another source of cheap feed.

Sometimes gains with low quality roughage are not as cheap as they might seem. But molasses can help perk up the appetite when quality of roughage is low. Makes it more digestible. And adds energy to the ration.

With any roughage system, you will probably want to finish animals with full feed of corn. But amount needed is cut sharply if growth has been put on with roughage.

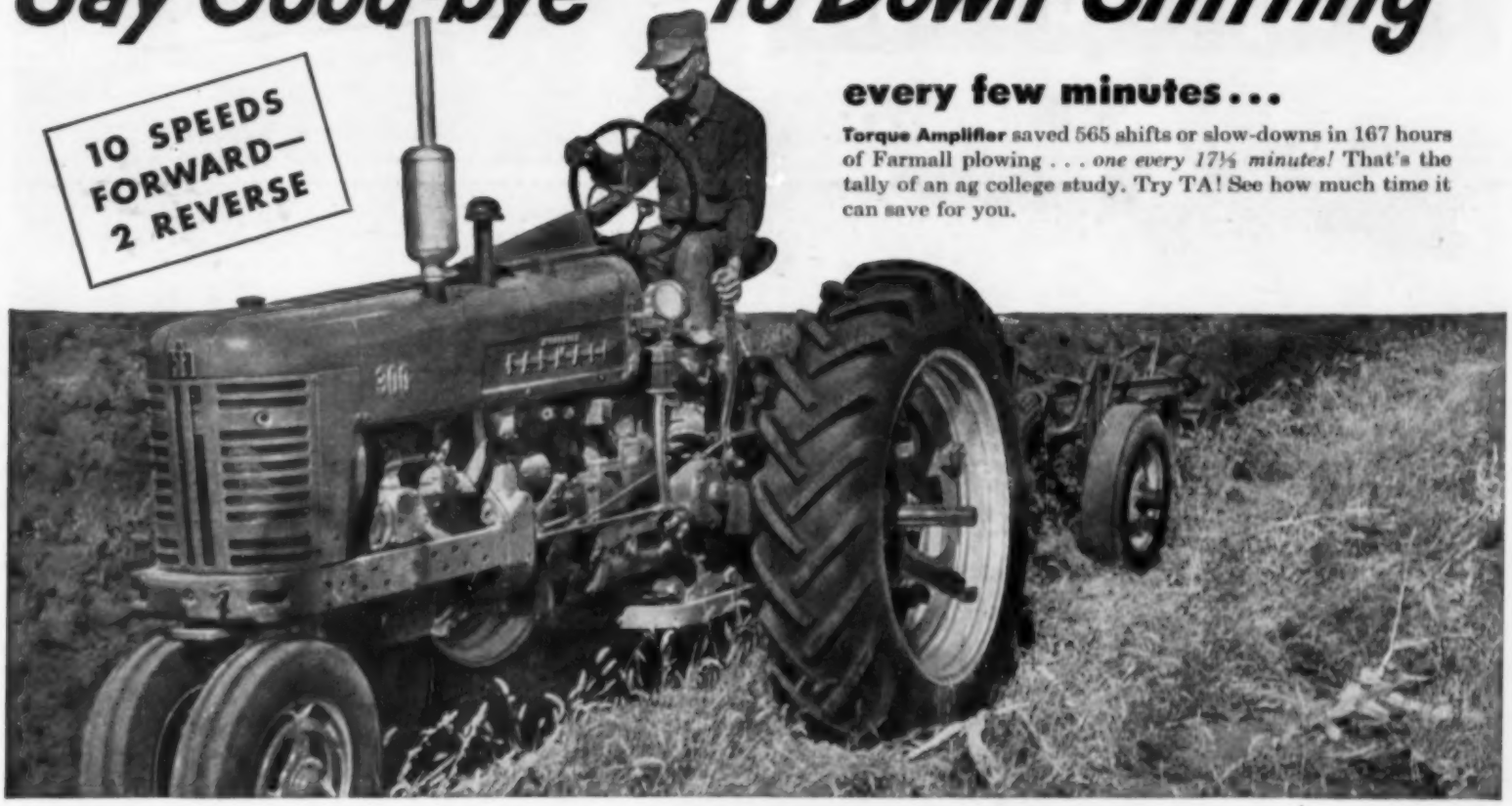
Practical feeders will offer still more ideas. For example, grind corn for cattle in drylot unless they are followed by hogs.

Keep a close watch for disease symptoms. Any bout with disease can jump costs in a hurry.

Maybe some changes in your feedlot can save labor. Each little saving adds up. And lower costs result.

by **Al Bull**

Say Good-bye to Down-Shifting



every few minutes...

Torque Amplifier saved 565 shifts or slow-downs in 167 hours of Farmall plowing . . . *one every 17½ minutes!* That's the tally of an ag college study. Try TA! See how much time it can save for you.

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FARMALL® 300 or 400 tractor

Just pull the Torque Amplifier lever! Feel that power surge of up to 45%. See why you can forget constant, aggravating down-shifting . . . step up plowing as much as 10 to 15% daily! You gain rounds, save fuel with two speeds in each gear—10 forward and 2 reverse! Change speed *instantly* to match power to the load—use TA *all day long* when needed. With Torque Amplifier and *completely* independent pto you can change tractor speed *on-the-go* while keeping pto speed constant! This ends the need in most cases for auxiliary engines on harvest equipment used with these powerful 3 and 4-plow Farmall tractors.

Farmall Fast Hitch lets you Back . . . CLICK! . . . and Go to hitch or switch implements seconds-fast. You save your back . . . speed your farming . . . do top-quality work. Low-cost implements like this Fast-Hitch plow are interchangeable on Farmall 300 and 400 tractors.

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My IH dealer is _____

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PROCADIAN UREA Feed Mixture

Read the Feed Tags!

Get the top feed values that PROCADIAN Urea provides in livestock feeds. PROCADIAN Urea Feed Mixture is made by the makers of ARCADIAN® Brand Fertilizers. *Trade-mark

NITROGEN DIVISION
Allied Chemical & Dye Corporation
New York 6, N. Y. • Ironton, Ohio
Omaha 7, Neb. • Indianapolis 20, Ind.
San Francisco 3, Cal. • Los Angeles 15, Cal.

Tile will change 18 acres of pasture into productive crop land for Ray Fox of Bremer county, Iowa. He figures two good crops will pay for the tiling.

Tile drainage pays fast

Lots of land needs drainage. Here are reasons for getting the job done now

MANY ACRES in the Corn Belt would produce more if properly drained with tile.

Some fields were never tiled. In others, lines put in long ago are no longer doing the job. Where lines have failed, reason usually is (1) lines were poorly laid, (2) tile were too small, or (3) lack of maintenance.

Here are some of the things tile drainage can do for you:

- **Allow excess water to drain** out of the soil. This lets you get into the field sooner in the spring.
- **Gives more uniform water** level in the soil. Corn roots often go five feet deep. Temporary water table above that level can restrict root zone.
- **Makes more nutrients available** for plants. With bigger root zone, plant has more area from which to get nutrients. And favorable conditions in the soil encourage release of nutrients.
- **Lets soil warm up faster.** Water takes four times as much heat to warm up as does dry soil. Warm soil means plants get off to a faster start. Planting can start sooner, too.
- **Cuts down on erosion. A soil** that is well drained is prepared to soak up more water when heavy rains fall.
- **More efficient farming.** No driving around wet spots or hillside seeps.

Tiling is expensive. But fortunately, it usually gives a quick pay off.

Arnold Ziesman of Hardin county, Iowa, figured tiling will pay in a hurry.

He spent about $100 an acre to tile 60 acres of ground. Most of the land was in native grass—never touched by a plow. But with tile, it will produce good crops. Tiling 60 acres brought 98 into crop production.

"Two crop years should make it pay out," thinks Ziesman. "You usually get a big return on money invested in tile. Partly because it is often the best land that needs tile."

Ziesman found ACP payments a big help in paying for tiling. Payments for tiling will be made again in 1956. Cost sharing arrangements will apply to the entire state.

A well laid and well maintained tile line should last for maybe 50 years — sometimes longer.

Key in getting a good line lies in the engineering layout. And in quality of workmanship in actual laying of tile line.

Soil conservation service provides engineering help for tile drainage. Check into the reputation of the contractor who is to dig ditch and lay tile for you.

It'll pay you to use tile at least five inches in inside diameter. Five inch tile has about twice the capacity of four inch tile.

Either concrete or clay tile will do in most Corn Belt soils. Better choose clay if soil is very acid. Or if it contains much of the alkaline salts.

Outlet is of major importance in tile lines. Best bet is to use a length of galvanized pipe.

Outlet should extend out of the bank far enough to keep water from falling on the bank. And it should extend back into the bank for about 12 feet.

Map is important part of good tile drainage. Keep a record of location, size of tile, depth, and when installed. Drive a metal stake into ground where tile lines cross fence rows or roads. That will help in locating lines for repairs or additional drainage.

Proper maintenance keeps lines working longer. Keep an eye on the outlet to see that it is doing the job. Undercutting is danger signal here.

If hole appears along tile line, look for broken or misplaced tile. You'll find it at that point or down the line from the hole. Prompt repairs are called for before line above has chance to silt full.

SEE THE

NEWEST and BEST FUNK'S G-HYBRIDS

ON DISPLAY NEAR YOU

Looking for new and different hybrids to plant next year? Want to see how the best adapted G-Hybrids perform in your neighborhood? You'll find the answers in the Funk's-G Research Acres plot near you. Check and compare relative maturity, grain quality, yield, stalk and ear height, shuck coverage, standability, resistance to drouth . . . insects . . . disease. See first-hand the important differences that mean extra bushels . . . better quality . . . more money per acre when you plant Funk's-G.

VISIT RESEARCH ACRES NEAR YOU...SOON!

It may take an hour of your time . . . but if a trip to Research Acres influences you to try a G-Hybrid that makes you more money per acre than the hybrid you're now using—that would be worth-while, wouldn't it?

FUNK'S G HYBRID

BALANCED
5-STAR PERFORMANCE

- Rapid Growth
- Disease Resistance
- Insect Resistance
- Drouth Resistance
- Standability

SEED TREATMENT? *SURE*...THE BEST!

Funk Bros. Seed Co. has always used the best seed treatment that the chemical industry recommends. Every bag of G-Hybrid seed is treated and so marked. Seed treatment helps protect the bred-in qualities of 5-Star Funk's G-Hybrids. But remember:

THE BRED-IN QUALITIES IN THE SEED YOU PLANT ARE FAR MORE IMPORTANT THAN ANY SEED TREATMENT YOU CAN USE!

FUNK BROS. SEED CO.

BELLE PLAINE, IOWA

Get your entire year's supply of D-X Oils and Greases at big savings plus guaranteed satisfaction!

Now you can get D-X oils and greases (the same superior-quality petroleum products proved by service tests!) at big D-X Pool Car Sale discounts. But time's a-wasting! Sale ends soon. Call your D-X Farm Serviceman now. You get all these Pool Car Sale advantages:

1. **Generous quantity discount** on all purchases — large or small.
2. **Guaranteed delivery . . .** anytime from September 1 to November 15, or between January 1 and May 31.
3. **Guaranteed price protection.** If prices go up by delivery time, you still pay today's low price. If they go down, you get the new lower price.
4. **Guaranteed satisfaction.** Try D-X products on our Trial Bond Guarantee. They must satisfy you completely, or we refund your money.
5. **Generous terms.** No money down. You may pay later.

FARM D-X SERVICE

GUARANTEED BEST FOR FARM ENGINES —

New Highest Octane D-X Lubricating Gasolines

D-X SUNRAY OIL COMPANY
TULSA, OKLAHOMA

Waterloo, Ia. Chicago, Ill. Terre Haute, Ind. Minneapolis, Minn. Omaha, Nebr. Madison, Wis.

Don't get caught in . . .

Fake seed deals

It's OK to deal with reliable companies. But avoid shysters with phony contracts

FAST TALKING seed salesmen will be after your money again. Oats and soybeans will probably get the big push in the Corn Belt.

Last year's gimmick for selling oat seed at high prices was the contract. Contract called for buying back at premium prices oats produced from the seed.

But few farmers got oats sold back to the outfit that supplied the seed.

Operations vary from year to year. But the contract deal was so profitable that shyster salesmen are likely to try it again.

Reliable companies do some contracting, too. But their method of operation is entirely different.

Here's something of what you might expect from a shyster:

He'll offer seed at a high price —often five or more dollars a bushel. Last year, some of the five dollar seed could have been purchased from reliable companies for less than two dollars a bushel.

Of course, you'll be asked for a substantial down payment.

Variety of oats may be one of the regular certified varieties. The salesman may have a list of neighbors who have taken "advantage" of his deal.

Or he may have a new variety. And a special deal "just for you."

To make high seed price look unimportant, he offers a contract for buying back oats at a big premium. Often 50 cents to a dollar a bushel.

But maybe the contract says premium will be paid only on oats taken. In that case, don't count on him taking any.

Or maybe it calls for a certification date that can't be met. A number of other loopholes have been used. So you never know just what to look for.

Reliable companies operate in a different manner. They aim to produce seed oats, not to sell you seed at a fabulous price.

Here are some things you can do to be sure of getting a fair deal:

- **Check on the company.** Any reliable company won't object to this. Best bet is a company that has been in business for several years.

Ask for a list of farmers who have dealt with the company. Ask where the company banks. And check with the bank for information.

Your county extension director may know about companies selling seed in the county.

- **Check on the variety.** A reliable company isn't likely to be contracting large acreages of a variety not adapted to the area.
- **Check on seed prices.** High price should make you suspicious.

Reliable companies usually furnish seed at going prices. Or trade seed for oats when harvested.

- **Take copy of contract to an attorney.** Ask him to check for loopholes. It won't cost much. And may save you lots of money.
- **Check on certification requirements.** Reliable companies usually pay the certification fee and see that crop is certified.
- **Watch out for substantial down payments.** Most reliable companies require no down payment. And they permit orders to be changed or cancelled. But not so with the shysters. When they get your money, they want to keep it.
- **Be suspicious of contracts that call for high premiums.** Premiums of most reliable companies run about five or 10 cents a bushel on oats.

New Iowa law provides a weapon against unscrupulous contract operations. Iowa Department of Agriculture permit must be obtained before contracting seed acreage.

But law says permit must be issued if satisfactory financial statement or $10,000 bond can be furnished. So a permit number doesn't guarantee fair treatment.

An attempt is being made to weed out the shysters in the seed business.

"Some applicants have been refused permits," says Clyde Spry, Iowa Secretary of Agriculture. "A number of last year's sharp operators haven't applied for permits."

Don't hurry into a contract without investigation.

If you fall for a fast line, you wind up paying a high price for seed. Often, poor quality, weedy seed.

You have one consolation, tho. Many other leading farmers have fallen for the same gimmick.

Discount Wheat Varieties

Certain varieties of winter wheat have been designated as undesirable by the United States Department of Agriculture. Loans on such wheat will be at a 20-cents-per-bushel discount.

Varieties are designated by states where grown. Here are the winter wheat varieties to be discounted in this area:

Iowa: Red Chief, Blue Jacket.

Illinois: Red Chief, Red Jacket, Kawvale.

Missouri: Red Chief, Kanking, Kanqueen, Kawvale, Blue Jacket.

Nebraska: Red Chief, Red Jacket, Kanking, Chiefkan, Stafford, Kawvale, Blue Jacket.

South Dakota: Red Chief, Blue Jacket.

There are also some varieties of spring wheat which will be discounted 20 cents in the loans. The complete list can be found at your county ASC office.

The loan rate on other wheat varieties will be raised to compensate for the lower loan rate on the undesirable wheat. But as the undesirable wheat is a very small percentage of the whole, the loan rate will not be raised much.

FINISH 'EM CHEAPER!

with the Occo Start to Finish Hog Feeding Program

Earlier this year in this publication, we told you to start them fast with Occo Baby Pig Starter. Then, we told you how little feed you need when you follow the Occo plan for summer feeding. Farmers who used the Occo Plan agree . . . Occo-fed pigs today are healthy, meat-type hogs yet feed costs have been really low. As low as $3.35 per 100 pounds of pork —IF YOU FOLLOWED THE OCCO PROGRAM.

Now . . . it's time to finish those pigs and NOW, more than ever, you need Occo. Yes, the savings you made starting them fast with Occo Baby Pig Starter . . . those savings you made by following the low-cost Occo Summer Feeding Program . . . can still be wasted if you don't FINISH THEM CHEAPER WITH OCCO.

IF YOU HAVEN'T FOLLOWED THE Occo PROGRAM . . .

it's not too late. You can save money by at least Finishing Them Cheaper with Occo.

Here's How the Occo Finishing Program Works...

1. You save money because with Occo 91% of your feed is farm grown.
2. You slash protein costs. The protein in Occo-Trate 40 is based on the proper balance of Amino Acids.
3. You also save because the protein, minerals and yeast are in separate bags. Since you feed them in the right ratio to each other, you don't waste any high-priced ingredients as you do when they're mixed together.

Want to know more about this plan? Ask your Occo Serviceman for details of the Occo Start to Finish Program. He'll visit you on your farm.

Occo

OELWEIN, IOWA

FREE Strip Cup

with the purchase of each dozen tubes of

TARGOT®

MASTITIS OINTMENT

LEDERLE

This offer is limited . . . starts September 1, 1955

MASTITIS CONTROL IS A TWO-STEP PROCESS:

1. Early detection 2. Sound, effective treatment

Here's a combination offer that helps you detect mastitis early — then stops it with the tops in mastitis treatment — TARGOT MASTITIS OINTMENT.

Not one — but FOUR proved antibiotics are included in TARGOT —AUREOMYCIN* Chlortetracycline, Penicillin, Neomycin and Dihydrostreptomycin—to stop all the common mastitis-causing bacteria before permanent damage can be done. Lighter-than-milk base floats the four antibiotics into close contact with affected tissues.

This offer is limited—Your veterinarian, druggist or feed dealer can furnish it to you. But . . . act today—while this offer is in effect —to obtain your supply of TARGOT and your Free Lederle Strip Cup for two-step, profit-making Mastitis Control. *Trade Mark

Regular use of Strip Cup	Quickly shows abnormal milk—cuts waste Induces milk "let-down" Cleans out low fat, high bacteria foremilk
Lederle Strip Cup is	Scientifically designed Easy to clean—no screen Durable, sanitary, Non-rusting aluminum

LEDERLE LABORATORIES DIVISION

Lederle AMERICAN Cyanamid COMPANY

PEARL RIVER NEW YORK

Voice of the farm

Feels Sorry For Young Folks

To the Editor: Why do they force social security on people? . . . The only ones who benefit are the ones that are nearing 65. We sure feel sorry for the young folks that are starting farming. They need all the money they can get now. And to think they have to pay social security tax year after year—most of their lives.

Fifty dollars means more to them now than $5,000 after they are 65.—Steady Reader, Tama county, Iowa.

Don't overlook survival benefits. In case of the father's death, they can be a big help to young mothers with children.—Editor.

Substitutes Threaten Farmers, He Says

To the Editor: . . . Oleo is a substitute for butter. Dacron is a substitute for cotton and wool. And water, air and yeast combined is a substitute for beef.

If these things run thru a machine take the place of things the farmers raise, you soon won't be able to buy oleo at 20 cents a pound.

I bought a ton of steer feed. The protein content was 30 percent. And 10 percent, or one-third of the protein, was urea. Cotton growers are being cut on acres, and the government makes up the difference.

Just think these substitutes over and decide for yourself which is better for all the people —a few millionaires or a few million people.—George S. Thompson, Peoria county, Illinois.

Doesn't Like Egg Law

To the Editor: I am writing in protest of the new egg law of Iowa. I would like to know how us farmers are going to get $15,000,000 more for our eggs per year when we must take a loss each week.

We near Davenport have only one place to sell eggs now. This produce company was buying eggs before the new law went into effect on grade and size. The price is just the same now as before. The only difference is that the produce company gets more eggs to handle. You can plainly see who is making more money.

Before, we sold our eggs ungraded to the A & P. They gave us top price (the same as Grade A large or more) for every dozen eggs they bought. This was to encourage us to do our trading there.

Now you tell me how us farmers are going to benefit from such a law.—John A. Allen, Scott county, Iowa.

Give the egg grading law time to work. It's young yet. —Editor.

Finds Helpful Articles

To the Editor: I took your paper years ago when it was know as the Iowa Homestead and I found many helpful articles and timely suggestions in it then. I think is is even better now.—Harold V. Weston, Lancaster county, Nebraska.

Says Young Folks Expect Too Much

To the Editor: Tenants write sad tales about getting started in farming. It's not easy—never has been, never will be! The biggest trouble is that too many of our young folks today want all the luxuries of life and will not deny themselves until they can afford those luxuries.

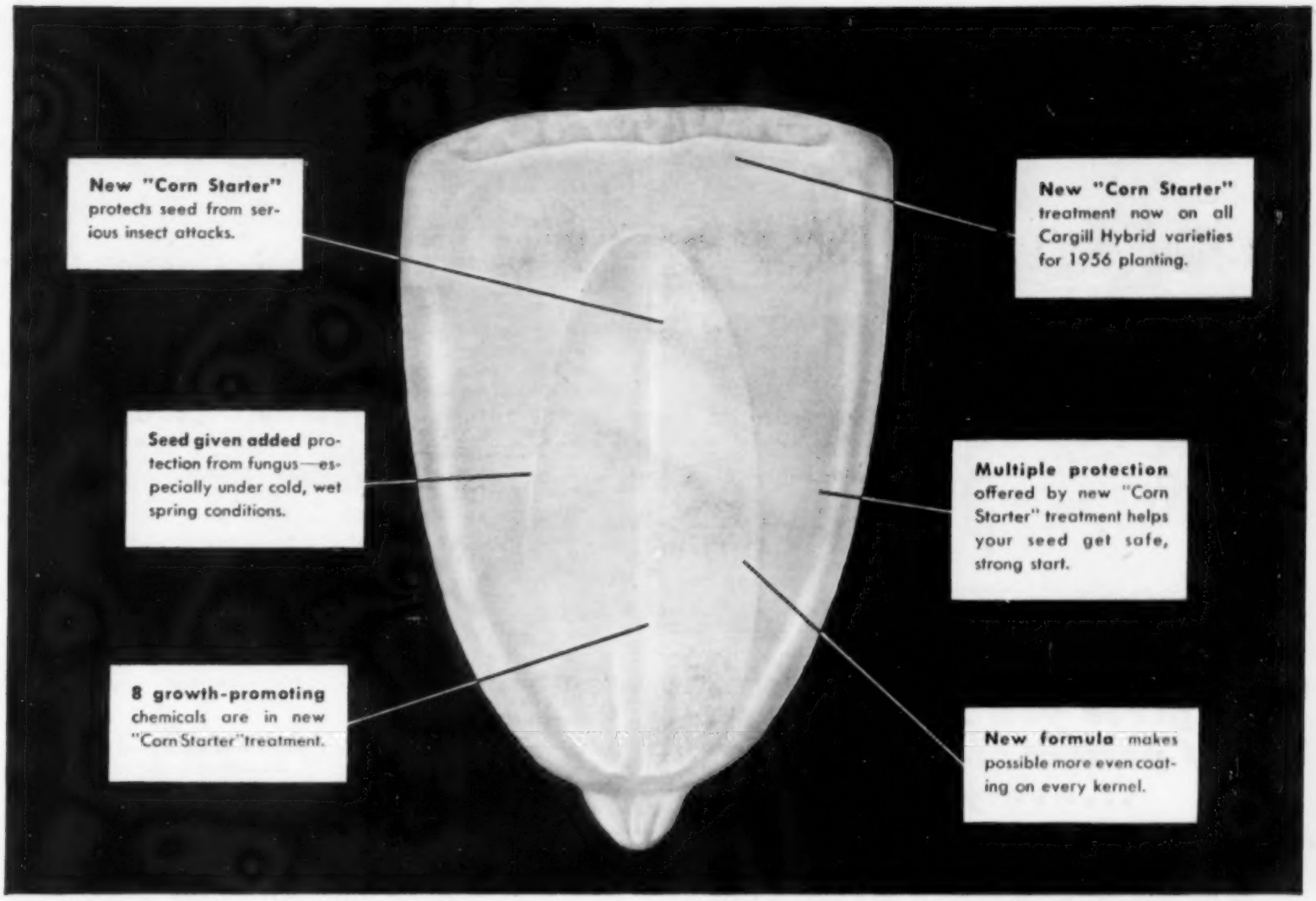
They work part time on the farm and then you will find car and family gone, here, there and yonder with no thought of tomorrow . . . Delinquent children come mostly from homes where their parents' minds are not on the home but on how they can get away from it to some tavern or dancehall. — Old Timer, Guthrie county, Iowa.

"Paper Is Tops"

To the Editor: Your paper is the tops, both for the farmer and his wife. I especially like the Lazy Farmer. But I haven't been able to follow his way of doing things. Seriously, your political ideas just fit my way of thinking to a tee.—W. N. G., Jackson county, Missouri.

See it at the fair. . .

Garden mulcher made by Elmer Wehrman of Marshall county, Iowa, is one of the many homemade gadgets being exhibited in the Farm Gadget Show at the Iowa State Fair. Wehrman made the mulcher from an old lawn mower reel and mounted it on his garden tractor. Among other gadgets in the show are a corn cob crusher, an electrified drive-across gate and a sack holder.



New "Corn Starter" on Cargill Hybrids gives a heavier coat than ever before possible. Helps protect seed from insects and soil diseases—gives seed fast, safe start in the spring. For complete report, see below.

New "Corn Starter" Treatment for 1956

New treatment, only on Cargill Hybrids, gives 14% higher "field" germination in tests under cold, wet spring conditions compared to our best previous treated seed

Did you realize that last spring you probably lost more potential corn producing plants in the first 3 weeks after planting than in all the rest of your corn's growing cycle?

Well, it's true. Even though you planted hybrid seed with a *laboratory* germination of around 95%, your actual *field* germination probably was only 75% or less.

The corn plants that could produce an extra 15 to 20% more corn never got out of the ground.

That's why Cargill's new treated seed is so vitally important to you. It offers high corn germination where you want it—*in your own fields.*

Like most hybrids, your seed was probably protected by a standard commercial treatment in amounts believed to be adequate. But recent Cargill tests show old methods of seed treatment aren't adequate—especially in the cold, wet springs so common in this area. When your seed has to lay under ground waiting for warmth or moisture, it runs into trouble. What's needed is a "Corn Starter". And that's just what Cargill scientists developed.

First, they combined in one treatment formula an improved fungicide, a new, more powerful insecticide, and 8 growth-promoting chemicals. Second, they developed an improved process for applying a complete protective coating to every Cargill seed.

When tested under cold, wet conditions against our own best previous treated seed, the results were amazing:

"Corn Starter" treated Cargill Hybrid seed gave 14% higher "field" germination.

In tests against the five other leading brands of hybrids (all treated), "Corn Starter" saved enough extra plants, on the average, to mean several extra bushels of corn per acre.

"Corn Starter" treated Cargill Hybrids will be available for your 1956 planting. Their high field germination helps make possible the thick, heavy stand you need to harvest a big corn crop. And "Corn Starter" protects your plants against the killing and stunting attacks of soil diseases and seed insects like corn maggots, beetle and even some wireworm attacks.

So, in addition to all Cargill's other advantages, this newly developed "Corn Starter" treatment on Cargill Hybrids makes it more important than ever that you find out why Cargill is America's Growing Leader in Hybrid Corn Development.

And, no matter where you live, your nearby Cargill Hybrid representative can help you choose varieties that will produce top yields under your particular growing conditions.

Now doesn't it make Corn Sense to try "Corn Starter" treated Cargill Hybrids? You only need a fast, safe start for 11 extra corn plants per thousand to increase your corn yield a bushel an acre. Yet "Corn Starter" costs you nothing extra. See your nearby Cargill representative right away.

Plant and Compare new "Corn Starter" treated Cargill Hybrids on your own land. See your Cargill Hybrid representative soon. (Cargill Hybrid Headquarters, 200 Grain Exchange, Mpls. 15, Minn.) Adv.

Behlen Grain Drier—lets you harvest earlier, harvest more—and you get a better market price for dried crops. Reduces moisture content of 358 bu. from 25% to 15% in less than 90 minutes with farm tractor drive. Fuel cost, less than 1½c per bushel. Heat blower generates up to 4,000,000 B.T.U.'s direct heat per hour. "Full Cycle" grain handling. Portable. Models available for propane, natural gas, fuel oil.

Behlen All-Steel Bar Mesh Corn Crib—Behlen's exclusive "Post-Fab" galvanized process leaves no exposed weld spots for rust to begin. This protective over-all zinc coating, applied after welding, is actually up to six times heavier than that used on other cribs. Behlen Cribs are strong, sturdy—made of No. 2 gauge steel bars over ¼" in diameter. Five sizes: 596 bu. to 1,930 bu.

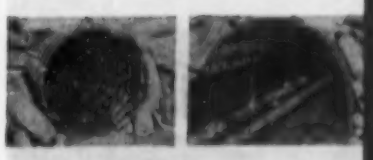
Behlen

gives you 12 months of perfect crop weather ... every year!

You can make your own perfect crop weather . . . and increase your profits with Behlen! No need to depend on the weather to *dry* your crops before harvest. No need to take a chance on storing high-moisture-content crops . . . and losing money because of rot and spoilage. No need to suffer crop loss because of improper storage facilities. Read how these Behlen products give you *safer, more profitable* CROP STORAGE.

Behlen Grain Storage Bins—First really new development in grain storage bins in 20 years! Extra-deep corrugations in heavy gauge galvanized steel assure greatest strength and rigidity. Exclusive "double-seal door" gives double protection—keeps grain in, keeps weather out! Withstands weight of stored grain without need for ties across door opening. Double-section door. Six sizes: 1,000 bu. to 3,200 bu.

Behlen Frameless Metal Buildings—Only Behlen gives you frameless construction. Heavy gauge, corrugated metal—forms sturdy, rigid frame arches. Store your grain eave-to-eave without double walls. Floor space is unobstructed for later use as implement storage. Pick your own grain storage capacity—one thousand or one million bushels.



Behlen All-Steel Ventilators and Tunnels—Ventilators provide greater air-circulation in stored crops. Available in 4-ft. sections, 10-in. diameter. Tunnels make corn removal easier. Tunnels are 20" wide, 17" high. Extra heavy gauge steel bar mesh—"Post-Fab" galvanized.

Behlen Moisture Tester—Be certain whether the moisture content of your crop is low enough for safe storage! Quick, convenient, compact, portable, inexpensive, accurate and instantly read! Unit is self-contained, powered by small batteries. No computing or correcting necessary.

WRITE TODAY for FREE literature

Behlen Manufacturing Company
Dept. K **Columbus, Nebr.**

Send me information on the products checked below:

- ☐ Grain Drier
- ☐ Frameless Metal Building
- ☐ Grain Storage Bin
- ☐ Moisture Tester
- ☐ Ventilators & Tunnels
- ☐ Corn Crib

NAME_____

ADDRESS_____

CITY_____ STATE_____

Behlen Manufacturing Co.
Columbus, Nebraska

Workday pointers

BOAR YOU BUY should weigh 200 pounds at six months of age.

▼ ▼ ▼

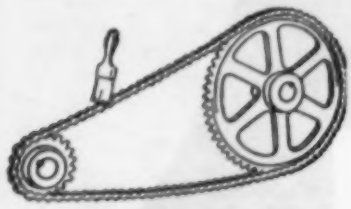
OATS SEED is plentiful this year. No need to hurry about buying or to pay excessively high prices.

▼ ▼ ▼

CORN COBS or corn fodder make good bedding for livestock. Lots of farmers prefer them to oat straw.

▼ ▼ ▼

CHAINS should be oiled unless running in very dusty conditions. A brush will do the job



quickly. Apply to open-link side of chain. Safety specialists say you should oil while chain is motionless.

▼ ▼ ▼

AT PRESENT PRICES there's little profit in putting 50 pounds on a 200-pound hog. And there's risk of still lower prices.

▼ ▼ ▼

GILTS WERE not harmed by following stilbestrol-fed cattle in Iowa State College tests.

▼ ▼ ▼

WHEN YOU BUY feeder cattle suspect the sluggish kind. They might have shipping fever. Watery eyes may indicate pinkeye. Lumps around the jaw are always to be suspected.

▼ ▼ ▼

TIMOTHY SEEDED on new clover stands this fall will show up very little in next June's clover hay crop. But the stand may be mostly timothy if left a second year.

▼ ▼ ▼

MILK EXPOSED to strong sunlight loses a part of its nutrients.

▼ ▼ ▼

TIMOTHY STANDS will be best when seeded after hot weather has ended and just ahead of the fall rains. Last part of September usually meets those conditions.

▼ ▼ ▼

OATS VARIETY trials will be released by Iowa State College about October 1. Performance records of all the main varieties will be reported.

▼ ▼ ▼

TIME TO USE sub-soil breakers is when ground is dry down deep. Plow pan crumbles when it's dry; only a slit is made in the hard or rubbery layer when soil is wet.

▼ ▼ ▼

TO KEEP quality in eggs, cool them as rapidly as possible, from the 104 degree temperature when laid, to 50 or 60 degrees. Humidity in the egg room should be 70 to 80 percent.

SECOND-YEAR production of egg layers can be expected to be 20 to 30 percent fewer eggs than in the first year.

▼ ▼ ▼

WHEN WET SPOTS persist on tile-drained farms, you can be pretty sure that a tile is stopped up somewhere. The clogged spot may be in the wet area or down the tile line toward the outlet.

▼ ▼ ▼

EARLY SELECTION of breeding gilts and separation from the fattening hogs are steps toward big litters next spring. Gilts selected should be fed well, but fed for growth rather than fattening.

▼ ▼ ▼

WHAT RATION for gilt to be bred? Five to six pounds corn and oats, three-fourths pound of supplement and pasture may be about right. But vary the ration according to gains made and fat put on.

▼ ▼ ▼

ONE HOUR spent to stop a gully at the start may save days of work later. Fall is a good time to inspect the farm for breaks in the soil which may grow into big ditches.

▼ ▼ ▼

HAVE A COW that's subject to milk fever? Heavy doses of vitamin D for three to seven days before calving prevents attacks, say Drs. Hibbs and Pounden of the Ohio Experiment station. Treatment should not be continued longer than seven days. So you have to know about when the cow will calve.

▼ ▼ ▼

SMALL CHILDREN are always in danger around moving tractors. If on your lap, the child may jump out of your arms

while you are occupied with driving. On the ground, the youngster may run behind the tractor when you don't know it. Let children satisfy their curiosity about tractors after they get big enough to drive them.

▼ ▼ ▼

COVER FOR SILAGE will save spoilage. Reinforced building paper cover has reduced spoilage to a two-inch depth for some farmers. Others use plastic materials with good results. Important point when covering the silo trench or stack is to weight the cover down so it won't blow off.

PULL-TYPE or MOUNTED

New Idea Corn Pickers

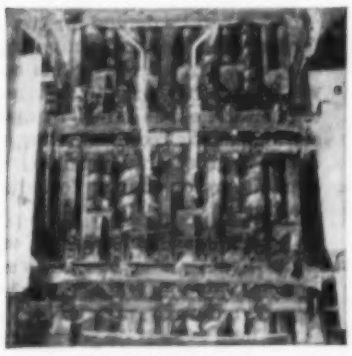
clean working, speedy...and completely reliable

You want a corn picker that is fast, handy, easy to operate—that requires no babying because of field conditions or weather—that misses very few ears, husks clean, delivers your crop to the wagon instead of leaving part of it in the field. A NEW IDEA does just that. NEW IDEA built the world's *first* practical tractor-powered corn picker. That know-how is reflected today in the exceptional performance and great reputation of NEW IDEA corn pickers.

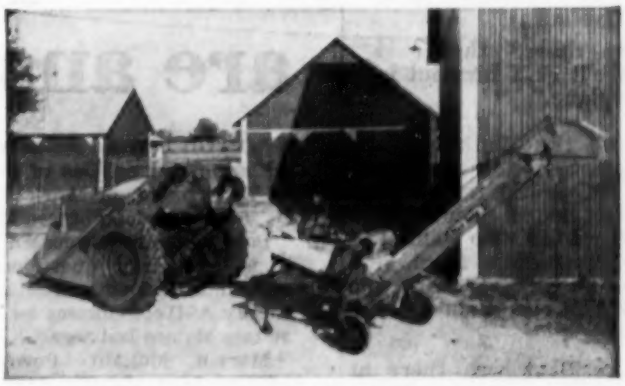
Pull-Type Models. The one-row pull-type picker shown above and a similarly operated two-row model, established the standards upon which are based the lasting fame of NEW IDEA for cleaner picking, better husking and getting more corn out of a field than any other machine.

Two-Row Mounted Picker. Here's a machine equipped with a husking bed of greater capacity than any other mounted picker. Assures clean husking in even the heaviest yields, yet actually imposes less weight on the tractor than other two-row mounted pickers. The new concept in design makes this NEW IDEA picker easier to mount and unmount, handier to operate in the field.

Time to Secure Facts. Let your NEW IDEA dealer explain the many quality features of these reliable and efficient corn pickers. He'll be pleased to arrange a field demonstration. Or send for free literature.



10 Big Husking Rolls each over 40" long, with individual presser wheels, and two ear straightener arms give the NEW IDEA mounted picker superb husking capacity. Put the cleanest corn on your wagon you have ever seen.



Husking bed trails on own wheels. Tractor wheels carry only weight of the snapping unit. This makes NEW IDEA mounted pickers less likely to bog down, simpler to maneuver, easiest of all to mount and unmount. Drive tractor into snapping unit (no hoists needed); fasten 4 bolts. Back up and hitch to husking unit. Connect power take-off and you're ready to go. Unhitch husking unit and tractor is available for other draw bar operations. Operating controls within reach of driver. Raise or lower snapping unit, space snapping rolls, control ear deflector, disengage elevator clutch on turns—all without leaving seat. NEW IDEA mounted picker works with 26 models of row-crop tractors which have sufficient power to handle two or more plows.

NEW IDEA

FARM EQUIPMENT COMPANY DIVISION AVCO DISTRIBUTING CORP.

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- ☐ Wagon & Wagon Box
- ☐ One-Row Pull-Type Picker
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- ☐ Stalk Shredder
- ☐ Mounted Picker

NAME _____

ADDRESS _____

I WAS JUST FIGURING...

by Cy Watkins

Just got a batch of pictures back in the mail . . . couldn't hardly wait to see 'em. **Believe it or not, they're pictures of me and President Eisenhower!** Who'd have thought it . . . me, Old Cy Watkins, shaking the hand of the President of the United States!

Tell you how it happened. A while back an Indiana 4-H'er name of Aldon Holsapple sent the President a beautiful Berkshire sow for his farm at Gettysburg. Knowing about sows, a Watkins dealer at Starbuck, Minnesota, name of Adolph Hogfoss, decided she should have a "boar friend." (Adolph's the president of the Glenwood All Breed Swine Association too . . . that's how come he was thinking about pigs instead of vanilla.) Anyhow, a bunch of the folks got together and bought a humdinger of a Berkshire boar . . . named him "Commander-in-Chief." He's got a pedigree a mile long and well-larded with champions.

So Adolph called up Watkins to see if they'd help get "Commander-in-Chief" out to the President's farm in Gettysburg.

"Sure thing," they said . . . "We'll FLY him out in our airplane."

You see, the Watkins Company has this big transport plane, a DC-3. So they loaded the boar on board, along with a lot of other folks who wanted to see the President's farm, and away we went. Bet that's the first boar that ever went courtin' in an airplane!

The President was there at the farm when we got there. So we unloaded the boar and he shooed him into a pen in the hog house that was ready and waiting. Now there'll be a lot of folks sweating it out to see what that young boar can do. How many champions'll come from that match? I'm so het up I feel like the best man at a wedding!

The President was telling us how the soil on the place had kind of gone to pot . . . been farmed for 300 years . . . so now they're really working, trying to build it up again. And I tell you . . . if you want to see a good example of soil and water conservation, right there it is.

Soooo . . . we delivered the boar, got to see the President's farm, and got acquainted with a pretty darned nice farmer to boot.

And next time I see you I'm gonna say, "Meet the guy who shook the hand of the President of the United States . . . and I've got a picture on the piano to prove it!"

THE J. R. WATKINS COMPANY
Winona, Minnesota

Corn loan rates for 1955 corn are shown here for western Corn Belt counties. Loans can be secured if you're in compliance with corn acreage allotments and if your crib widths and moisture content of corn meet requirements. See your county ASC committee for details.

Loan questions are answered

DO YOU have questions about corn loan policies of the U. S. Department of Agriculture? Or about corn loan procedure?

Policies were discussed and some corn loan questions answered at the state meeting of county ASC committees for Iowa at Des Moines last week.

Marvin McLain, Poweshiek county, Iowa, farmer now head of the USDA Grain Division, spoke on loan and acreage control policies.

"It alarms me to see diverted acres from wheat, cotton and rice go into feed crops," said McLain.

"Allotments have caused acreage shifts," he pointed out. "If you want to control total production, there must be cross compliance."

Cross compliance means that farmers must be in compliance with all crops under allotments if price supporting loans are to be received.

Or it might mean that diverted acres could not be shifted to any grain crop. That goal is aimed at under "total farm allotments" or "soil depleting bases."

Why hasn't cross compliance been in force?

McLain pointed out that the Secretary of Agriculture ordered "total farm allotments" for this year.

The plan was abandoned when "thousands of letters came to the Secretary against the plan and none for it."

"Farmers are against it," McLain concluded. And the only way we will get cross compliance is by "act of congress." McLain expressed doubt however that congress would pass such a law.

The USDA official pointed to increased grain production under the present plan. Present stored grain of all kinds is two and one-half times the 10-year average.

Present damage to the corn crop was much on the minds of the ASC committeemen as they met to consider their corn storage and administrative problems.

Question came up as to why corn couldn't be sold at low prices in counties that might be short of corn because of drouth damage.

McLain's first answer was that it would be illegal. The law states the formula for pricing corn is in the hands of the government.

"Corn must be priced at 105 percent of the loan rate plus carrying charges." The Secretary has no power to sell it for less unless it is going out of condition.

"And besides," McLain said, "we'd drive corn prices into the ground if corn was sold at cut rates." The men who raise corn to sell would be hurt.

On the subject of exports of farm commodities, McLain cautioned the committeemen about the problems involved.

"They can raise crops in other countries," he said. And they're going to raise their own food wherever they can.

Speaking of the chance of getting rid of our surpluses by sending them abroad he said:

"It's nice to be optimistic about these things, but it's also necessary to be realistic."

The impression was left that every effort would be made to sell surpluses abroad, but that in the end we will have to solve most farm problems thru domestic management.

A panel program at the state ASC meeting brought some questions and answers important to farmers. Here are a few:

When will the new bins ordered for Iowa sealed corn be ready for filling?

Steel for making the bins will be received by manufacturers about September 15, said Harold Brightwell of the state ASC office. Bins will be shipped during the last of September.

What does a farmer get for sealed corn if it fails to make required grade when delivered?

Settlement would be at market discount from loan price, officials said.

Can a man be denied corn loans if he has met eligibility rules?

Loans can be denied for two or three years by the county committee if the borrower has converted sealed corn to his own use, or if he has failed to make settlements as required. But purchase agreements cannot be denied any producer for these reasons.

Do men who have crib or bin loans under the government plan have to apply grain storage payments to the loan even if no payments are due at the time?

They do, officials said. And the rule also applies to loans for drying equipment.

Jack Shelley asks:

WHAT IS YOUR MOST IMPORTANT ACTIVITY OUTSIDE OF YOUR JOB?

JACK SHELLEY, News Bureau Manager, WHO-AM-FM-TV, Des Moines.

FREDDIE M. GARTER, Standard Oil Plant Cashier, Grand Rapids, Michigan:

"That's a hard question to answer, but if I have to select *one* outside activity as the most important, I think it would have to be my church work. I have been president of our Sunday School and now am serving as church treasurer. It has been a personally rewarding experience to be helpful in both a material and spiritual way. But there are two other outside activities in which I am very much interested—Scouting and PTA. I am the Scoutmaster of Troop 272 and am treasurer of the Godfrey School PTA."

MYRON E. JOLIDON, Standard Oil Division Industrial Relations Manager, Milwaukee, Wisconsin:

"Traffic safety has been a pet project of mine for a long time. Safety should be everyone's business, and I realized this more than ever when I had the privilege of serving as president of the Wisconsin Council of Safety and as chairman of the Foremen's Safety School of the Milwaukee Association of Commerce. I've spent 30 years in safety promotional work as a career, so my outside activity in behalf of traffic safety has been a little like a postman's holiday."

V. L. STRIKE, Standard Oil Agent, Nashua, Iowa:

"This is my third term as mayor of Nashua, home of the Little Brown Church in the Vale, so you can see that I feel a special responsibility about the administration of our town government. In a small community like ours, it's up to the citizens themselves to conduct the local government and our Council works hard to see that it is conducted efficiently. I'm a member of the Fire Department, too. Social and fraternal clubs play an important role in our community, so I belong to the Nashua Booster Club, Masons, Moose and K. P. Lodges and I am secretary of the Lakeshore Boat Club and Trustee of the I.O.O.F. Lodge. But, of course, my most important outside activity is as mayor."

LEE WILSON, Electrician, Standard Oil Refinery, Sugar Creek, Missouri:

"I'm sold on Scouting, and for the past eleven years I have devoted most of my spare time to Boy Scout work. I am Scoutmaster of Troop 204, Independence, Missouri, and it's really rewarding to me to work with a boy who is making the hard climb up what we call 'the Eagle Trail'. You've heard that good Scouts become good citizens, and I know it's true. There's a special reward for Scoutmasters in watching their boys grow up and have a head start toward happy and successful adult lives. I am proud to be a part of this organization and to have two sons who are Boy Scouts."

Good citizenship on the part of a man or a company does not occur accidentally. It grows out of the constant practice of "The Golden Rule". Standard Oil is proud that many thousands of its employees and dealers find time to do just as good a job for their communities as they do for us.

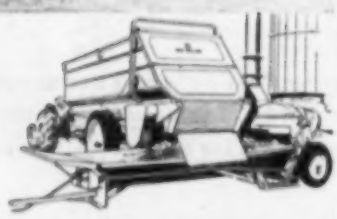
STANDARD OIL COMPANY STANDARD

Eliminate all hand labor with New Holland's forage harvesting team.

3½ tons out of the field into the silo *in 15 minutes!*

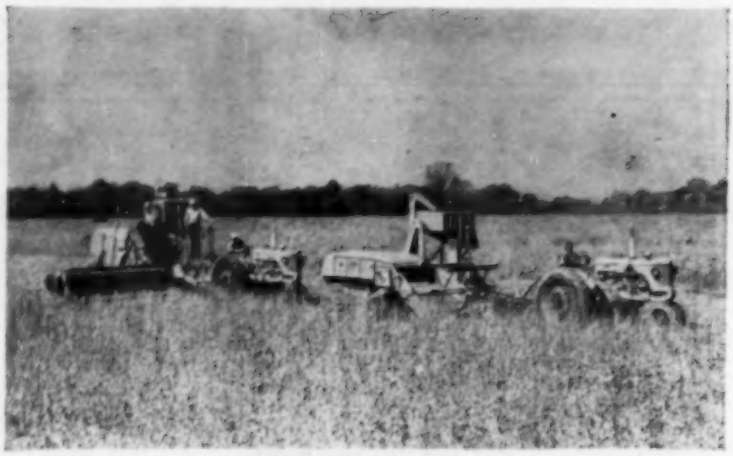
You're in complete, mechanized control. No heavy lifting, carrying, forking. All controls are at your hand as you chop your crop with the top-capacity New Holland forage harvester and fill the combination Forage Wagon-Manure Spreader . . . up to 3½ tons in about 10 minutes time. Then at the silo you unload *automatically* in less than 5 minutes with this economical double-duty wagon.

You get easier, steadier harvesting at a speed you can't match with other methods. Make a date with your New Holland dealer to see these remarkable machines in action today! The New Holland Machine Co., New Holland, Pa.



Bunk feed attachment on New Holland Spreader converted to forage box fills feed bunks or unloads into blower as above. There's also a new tailgate attachment (see illustration at right).

NEW HOLLAND
"First in Grassland Farming"



Mechanization has helped agriculture make tremendous production changes since 1900, especially in crop harvesting. But farmers continue to seek improvements.

Who'll farm in 1975?

Barring war, economist sees fewer farms and higher living levels in 20 years

Nobody has come forward to tell us what he thinks midwest farming will be like 100 years from now. But in the article below Don Kaldor of the Iowa State College economics staff has ventured a few opinions on what might happen by 1975.

FEWER farmers, larger farms, more and better equipment, improved practices, a larger output of products and a higher level of living—that's the 1975 outlook for Iowa agriculture, barring an atomic war.

These changes are highly probable. There is more uncertainty about how big they will be. A lot depends on the future rates of technical progress in agriculture and the rest of the economy.

Another critical factor is agriculture's capacity to adjust to the impact of new products and improved production know-how. Better farming methods not only lower per unit costs; they can produce adjustment problems too.

Capital requirements in farming will be larger; labor requirements will be less. Farm operators will spend more time on problems of management and less time at physical work. This will encourage larger farm units.

During the past two decades, fertilizer use on Iowa farms has grown by leaps and bounds. The upward trend will continue over the next 20 years. Fertilizer consumption could double or triple in this period.

Plant breeders will develop higher yielding strains of corn, oats, soybeans and other crops. Supplemental irrigation is likely to be used extensively in some parts of the state. Rain-making may no longer be front page news.

We will see more effective methods of erosion control used more widely on farms with serious soil loss problems. Rotation practices are likely to be more flexible. Farms not subject to serious erosion may be using rotations with less hay and pasture and more grain.

Many of these developments will help boost crop yields. By the time 1975 rolls around, corn yields might average 70 to 75 bushels per acre, compared with a 1951-54 average of 53 bushels. Yields of other grain crops may be up almost as much. Hay and pasture yields might increase even more.

For years, improvements in crop production have outpaced those in livestock production. During the next 20 years, there is a good chance that this trend might be reversed. Much progress has been made recently in poultry production.

Some of the current developments in animal nutrition suggest big improvements in livestock feeding in the years ahead. Extensive use of antibiotics and urea seem certain.

The conversion of feed into livestock output also will be stepped up because of better breeding, more effective disease control and improvements in housing. Census takers in 1975 may count air conditioners in both the farm dwelling and hog house.

Adjustments in farm size and farm population have been going on in Iowa as well as elsewhere. Between 1910 and 1950, farm population in the state declined from 1,055,000 to 825,000. The average size farm increased from 155 to 168 acres. The rates of change were much higher than average from 1940 to 1950.

These trends are likely to continue. By 1975, the number of people on Iowa farms may be down to about 650,000. Average farm size might be close to 180 acres.

There's likely to be a decline in the number of small family farms; an increase in medium and large family farms and an increase in rural residences.

(Continued on next page)

More conveniences on farms

(Continued from last page)

More people probably will combine a full-time urban job with living in the country.

Twenty years from now, Iowa farm families will be "eating higher on the hog." A survey of household equipment in 1975 will show more farm homes with central heating with hot and cold running water, automatic washer and dryer, television, deep freeze, air conditioner and more than one car.

Such a survey will probably record several home conveniences which cannot be purchased today. Tenant farms are not likely to lag behind as badly as heretofore. Recreation and planned vacations will find a larger place in the activities of rural folks.

If the farm economy can be kept in reasonably good balance, the increase in the level of living is likely to be very large. Wise farm policies can help encourage needed adjustments that make it possible for farm people to share equally with others the fruits of our highly progressive economy.

Has Questions On Leptospirosis

To the Editor: Blood testing showed that several of my sows have leptospirosis. I think it may be in my cow herd too. Can you tell me how leptospirosis is spread? Is it dangerous to humans? Do sheep contract it?—M. H., Lafayette county, Mo.

Leptospirosis is commonly found in cattle and hogs and has been reported in sheep. It is contagious to humans. All milk consumed by your family should be pasteurized.

Leptospirosis can be spread by many methods including creeks, and stagnant ponds. But the major source of the disease is a carrier animal.

A bacterin is available with which you can vaccinate all your sows and all cattle over four months of age.

BROILERS increased their weight 10 to 12 percent when given a full square foot of floor space. That's compared with a half square foot. Feed efficiency was improved, too. Tests were made in South Carolina.

"Certainly, it's okay. There isn't a thing in the world wrong with that radiator cap."

Leads the field in yield

WINNER 8 OUT OF 10 TIMES . . . For 12 straight years, Genuine Pfister Hybrids have won 82.1% of the time in 8,324 competitive yield checks. In the checks won, Genuine Pfister Hybrids averaged over 9.6 more bushels of shelled corn per acre than the competitive hybrids. Based on 1,012 competitive yield checks made in 1954, Genuine Pfister Hybrids won 82.8% averaging 10.3 more bushels of shelled corn per acre than the competitive hybrids. In all of these checks Genuine Pfister Hybrids were planted alongside the competitive hybrids under identical conditions.

MOISTURE

Low moisture content at picking and cribbing time means more money to you. Records of the competitive yield checks made in 1954, show that in better than 61% of the checks, Genuine Pfister Hybrids averaged 2.3% less moisture than the competitive hybrids.

STANDABILITY

Excellent standability means higher yield . . . more profit to you. Lodging counts taken in 1,012 competitive yield checks made in 1954 show that Genuine Pfister Hybrids averaged 3.3% more erect stalks in the field than the competitive hybrids.

SHELLING %

High shelling percentage indicates high quality grain. In 1954, shelling percentage was recorded in each of 1,012 competitive yield checks. Genuine Pfister Hybrids won 66.2% of these checks averaging 2.4% additional shell-out.

Quality

Genuine Pfister Hybrids won more top honors than all other hybrids combined at the 1954 International Hay & Grain Show, Chicago, Illinois, plus 11 out of 15 Regional Grand Champions.

Genuine PFISTER HYBRIDS

PFISTER ASSOCIATED GROWERS, INC.

GENERAL OFFICE • AURORA, ILLINOIS

VICTOR DRY LOT FEEDS

FAST GAINS FOR YOUR DRY LOT CATTLE

VICTOR

DRY LOT STILBESTROL MIX with 32% Protein
TO BE FED WITH CORN OR GRAINS IN DRY LOT

BEEF CATTLE FATTENER* with STILBESTROL with 22% Protein
TO BE FED WITH CORN OR GRAINS IN DRY LOT

*also available without Stilbestrol

FEEDERS REPORT 20% FASTER GAINS . . . WITH LESS FEED

The kind of ration your cattle get in dry lot . . . will make a BIG difference in the kind of profits you make at market-time. VICTOR DRY LOT FEEDS have a proved record of putting fast gains and finish bloom on cattle at low cost. YOU can expect the same money-making results with VICTOR DRY LOT FEEDS. There is a VICTOR DRY LOT FEED to meet your exact feeding requirements . . . each compounded to do a specific feeding job. See the VICTOR dealer near you — and get the FACTS.

• • •

THERE IS A COMPLETE LINE OF

VICTOR DRY LOT FEEDS

★ VICTOR Stilbestrol Feeds
★ VICTOR Standard Supplements
★ VICTOR Molasses Feeds

CRETE MILLS CRETE, NEBRASKA
A Division of Lauhoff Grain Co.

Girls help clean weeds and volunteer corn out of bean fields on farm operated by Percy Johansen (at left), Franklin county, Iowa. Girls are hired by the landlord, E. Ray Green. Weed-free bean fields help make clean beans in the wagon box at harvest time.

Clean beans will bring premium

Bean grades changed . . . must have less foreign material than under old rules

DIRTY soybeans may cost you money this year. Such beans may bring extra price docks from buyers. Or make government loans hard to get.

So removal of big weeds and volunteer corn from bean fields may pay unusually well. Careful operation of the combine will be helpful too.

Reason is that requirements for soybean grades have been changed. New grading standards took effect September 1.

Important change in the grade standards is in allowable foreign material. Allowable quantity has been reduced one percentage point in each grade.

So number two beans, which is the most common grade, can have no more than two percent foreign material this fall. Since 1949, they have been allowed to have three percent.

Here are the requirements for the first four grades of beans that will be in effect this year. Test weights are minimum, percentages are maximum.

Number one beans must weigh 56 pounds per measured bushel. Moisture must not exceed 13 percent; splits, 10 percent; damaged kernels, two percent; foreign material, one percent.

Number two beans must weigh 54 pounds. Limit on moisture is 14 percent; splits, 20 percent; damaged kernels, three percent; foreign material, two percent.

Number three beans must weigh 52 pounds. Other limits are: moisture, 16 percent; splits, 30 percent; damaged kernels, five percent; foreign material, three percent.

Number four beans must weigh 49 pounds per measured bushel. Moisture must not exceed 18 percent; splits, 40 percent; damaged kernels, eight percent; foreign material, five percent.

There is also a rule against brown, black or bi-colored beans in green or yellow beans. Maximum for grades one, two, three and four are one, two, five and 10 percent respectively.

Will the new requirements for soybean grades affect government loans under the support program?

It was announced in March that 1955 soybeans must grade number four or better if loans are made. And moisture content must not exceed 14 percent.

Since the foreign material affects the grade, beans with more than five percent foreign material would not be eligible for loans. And they would not be accepted under purchase agreements.

Whether you sell the beans or get a government loan on them, it will pay to keep foreign material out of the crop as far as possible.

The thing that can be done right now to insure clean beans is to cut big weeds and volunteer corn out of the fields.

Shelled corn often gets in the beans. And woody parts of the stems may also go in the wagon with the beans.

Another thing that can be done now is to see that the combine is in first class condition. If repairs are needed, they should be ordered and put on.

Then when you get to the field, there will be the job of setting the machine so it will get the beans clean without splitting too many.

Service bureau

Buckthorn Is Now Noxious Weed

To the Editor: My neighbor has a hedge of buckthorn. Won't he have to destroy it since the Iowa legislature declared buckthorn a noxious weed?—G. P., Webster county, Iowa.

Yes. Your neighbor will be required to control buckthorn the same as other noxious weeds. If he does not destroy the buckthorn hedge, you can contact your county weed commissioner and ask him to see that the hedge is destroyed.

Who Sponsored The Egg Grading Law?

To the Editor: Who sponsored the new Iowa egg grading law? Who represented the producers in supporting the law?—T. H., Mills county, Iowa.

Producers, dealers and retailers and consumers backed the egg grading law. Of course there were some members of all segments of the poultry industry who opposed the law.

The Iowa Farm Bureau Federation represented the egg producers in backing the egg grading law.

Seed Salesmen Are Active

To the Editor: Last fall I fell for a fast line handed out by an oats seed salesman. I ordered 30 bushels of a magic oat variety. He took a down payment of $30. I decided that I didn't want the oats and tried to cancel the order. But they said I couldn't cancel the order, so I told them to keep the money and their wonder oats. No doubt this company or another company run by the same people will be out again this year. Warn farmers against these slick salesmen.—L. C., Ida county, Iowa.

Oats salesmen are out now selling varieties which they claim will outyield any oat being grown in Iowa. Some of the seed oats were grown in Canada. Maybe the oats do produce high yields in Canada. But unless they've been grown in Iowa, under Iowa crop conditions, and are recommended by Iowa State College, don't buy them.

Don't sign a contract for seed oats until you've had a chance to see if they are recommended by Iowa State College. If the salesman is honest, he will give you time to make up your mind.

Got Poor Quality Treated Posts

To the Editor: I recently bought some treated fence posts. They are black but look like they have just been dipped in oil. How can you tell a good black post from a poor one?—B. N., Cass county, Iowa.

Most companies that sell high quality treated fence posts sell only thru dealers. Their posts are branded or have an aluminum plate attached to the end of the post.

Poor quality fence posts have been sold thruout the midwest. These are usually offered at prices lower than good posts.

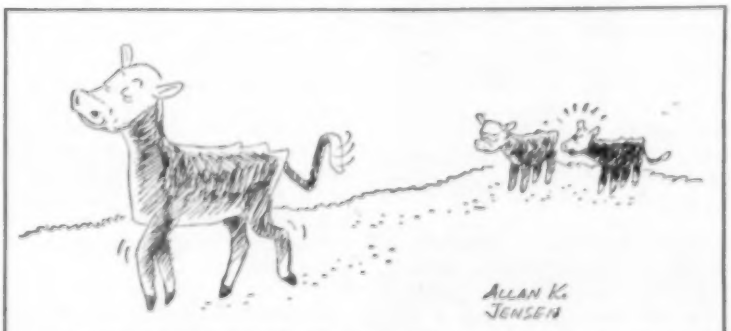
Wants To Make Investment

To the Editor: Is it wise to borrow money on a farm to invest in stocks and bonds, etc.? How should I invest ready capital? I will retire from farming in a few years and will need the income.—F. R., Jones county, Iowa.

If you can invest the money borrowed on a farm, and be certain the income will be more than the mortgage and interest payments on the loan, it may be wise to do so. But play it safe. If you gamble on investments, you could lose the farm.

The government sells several types of bonds that pay up to three percent interest. Such investments are safe. Another type loan that is considered safe by most investors is a loan to G. I.'s on houses. Part of these loans are insured by the government.

You may make a 100 percent insured loan thru the Farmers Home Administration. This loan is made to an F.H.A. borrower that has been approved by local committeemen. The lender gets 3.5 percent interest. Such loans aren't made for 100 percent of the appraised value of the farm since the borrower is required to make a down payment.



"He thinks he's somebody because there was a picture of his great-great-great-great-great-great-great-granddaddy in the November 6, 1890, issue of the Iowa Homestead."

FEED . . . PROVED EGG-MAKING

VICTOR LAYING FEEDS

If you expect your pullets to *reach and stay at peak egg production when egg prices are high . . . they must get EGG-MAKING nutrients.*

That's exactly what your pullets GET . . . when you feed them VICTOR LAYING FEEDS.

Because VICTOR LAYING FEEDS supply properly balanced amounts of essential vitamins, minerals and proteins so that, either fed with your farm grains or as a *complete feed,* your pullets get a top-notch laying ration.

But — VICTOR LAYING FEEDS do even more!

VICTOR LAYING FEEDS help your pullets produce *more* and *better quality* eggs . . . help keep your pullets in good body health . . . save you *money* on feeding costs.

That adds up to best egg profits . . . and year after year records prove that VICTOR LAYING FEEDS accomplish these results.

So this year — plan ahead to make YOUR poultry flock a REAL money-maker. Feed VICTOR LAYING FEEDS. See the VICTOR dealer near you — today!

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- VICTOR POULTRY ALL MASH PELLETS or GRANULES
- VICTOR EGG MASH (Also Pellets or Granules)
- VICTOR EGG AND BREEDER PELLETS or GRANULES
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FREE! THIS POULTRY PROFIT GUIDE

Ask Your VICTOR Dealer — or Write Us

VICTOR FEEDS

CRETE MILLS CRETE, NEBRASKA

A Division of Louhoff Grain Co.

Time's a-Wastin'

ENTER FERGUSON'S EXCITING
"BETTER DAYS AHEAD" CONTEST NOW!

CLOSES SEPT. 30

WIN
one of 26 new
FERGUSON 35 TRACTORS
To be awarded the winner in each of Ferguson's 26 major distribution areas

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IT'S SO EASY • HERE'S ALL YOU DO

1. Get an official contest entry blank (for owners of farm equipment) from your local authorized Ferguson Dealer. Full details on blank.
2. Receive an on-the-farm demonstration of the Ferguson "35" from your Ferguson Dealer.
3. Fill in the entry blank, including a short statement on "There are BETTER DAYS AHEAD with a Ferguson '35' because..."
4. Mail completed entry blank.

SEE FOR YOURSELF WHY THE FERGUSON 35's 4-WAY WORK CONTROL IS YEARS AHEAD!

Contact Your Ferguson Dealer Today
to get on his demonstration list

CONTEST CLOSES SEPT. 30, 1955

Clipped stalks improve visibility at crossroads adjoining Hamilton county, Iowa, farm operated by Ilo Nickles. Ears will go ahead and mature.

Outside stuff

"WATCH those blind corners," I keep reminding myself as I drive down country roads between fields of tall corn.

But some folks forget—or decide to take a chance. And crossroads collisions are too frequent at this time of year.

One way to reduce the safety hazard is to cut stalks off just above the ears in the corners of the fields next to crossings. That's what Ilo Nickles (pictured above) of Hamilton county, Iowa, did in August.

"It should be done at every crossroads," Nickles declares. "It doesn't take much time. And if it saves a life or even an accident, it's worth it."

Nickles admits that his hired hand, a former 4-H club member, pointed out the hazard and suggested clipping the corner of the field.

• • •

EVERY farmer is aware of the revolutionary advances made in farm mechanization and farm living during the last 100 years. But it takes an event such as the Centennial of Farm Mechanization last month at Michigan State University (until recently Michigan State College) to really drive the facts home.

Farm tools and farm kitchens of 100 years ago were on exhibit—along with the newest in farm machinery and farm kitchens. Emphasis was on the newest. But there was enough of the old to make one appreciate the new more deeply.

• • •

I WOULDN'T go so far as to say that there's much of a demand for "shuckin' hooks" in Iowa. But I did get rid of some of those hooks that I mentioned in this column last month.

One went to a Harrison county, Iowa, farmer who qualified for a free hook with the following comment:

"The writer has been picking 40 to 50 acres of corn by hand for the past five years, and intends to do the same this year if mother nature cooperates and gives us a crop."

Another went to a Howard county, Iowa, reader who says he has picked more than 50 acres of corn every fall for the last 30 years. "I've worn out many a shuckin' hook," he wrote.

And a Woodbury county, Iowa, farm woman asked for two hooks—one for herself, one for her husband. They're planning to pick 40 acres of corn by hand this fall.

She even offered to pay for the hooks. "Practically none to buy around here," she reported.

• • •

"IT REALLY stretches your pasture," declares Denny Hennings of Benton county, Iowa. After chopping and hauling pasture to 200 head of steers this season, he has joined the ranks of green crop enthusiasts.

• • •

MOVING to a farm from the city doesn't make a farmer out of a man. That fact impressed me last month when I stopped to visit for a few minutes with a fellow in central Iowa.

Before I left his farm, I was feeling downright sorry for the chap. Here's his story:

Until last winter, he was a machine shop foreman in California. He had never lived on a farm. Then he inherited a farm in one of Iowa's richest farming areas. So he decided to quit his job and be his own boss—a "farmer."

But the going has been tougher than he expected. Imagine trying to equip a farm with machinery when the only thing you know about it is what the salesmen tell you. Imagine trying to raise hogs with no experience.

Every day he's stumped by elementary problems that the experienced farmer takes in stride.

Then there's the matter of finance. "The farmer sure has to have a big investment for what he earns," the newcomer lamented. That's no news to most of us.

Anyway, I wish some of my city friends who see only the "delightful" side of farming could talk with him. They might get their eyes opened.

—Dave Bryant.

QUIPS AND QUOTES

A GOSSIP is no friend of the truth.—Kossuth County Advance.

A LONG FACE often shortens your list of friends.—Clarence Sun.

FEW MEN believe in dreams after they marry one.—Cherokee Courier.

UNCLE EZRA SAYS—"It has been estimated that the average income of juvenile delinquency is around 1 a. m."—Danbury Review.

BIRDS of a feather who flock together never meet anyone new.—Logan Herald-Observer.

IT TAKES a lot of time to get experience, and once you have it you ought to go on using it.—Walnut Bureau.

SPEAKING of traveling, that fella who invented motels has got 'em strategically located, so you go by the best ones between 7 A. M. and noon.—Lake Mills Graphic.

MEANEST MAN in town is the one who hired a lad to mow his lawn for 35 cents an hour and then charged him 25 cents an hour for the use of his mower.—Manning Monitor.

WRINKLES around the eyes are seldom caused by looking too much on the bright side of life.—Ogden Reporter.

AS A RULE men are more interested in getting their bite than in giving their bit.—Parkersburg Eclipse.

FOOD FOR THOUGHT thrown from the pulpit Sunday: Too many of us suffer from an over supply of "I" vitamin.—Lake View Resort.

TWO DOLLAR BILLS are bad luck only if you don't have enough of them.—Van Buren County Register.

THERE IS NOTHING wrong with gambling, if you stay away from it.—Shelby News.

"Some pal you are! The only kid in the neighborhood I can whip, and now you're moving to California."

LOOK! ...THE RECORD SPEAKS FOR ITSELF!

THE RECORD:
15 purebred Landrace pigs in litter
Litter weight at 56 days (8 weeks)
935 pounds or 62 pounds average

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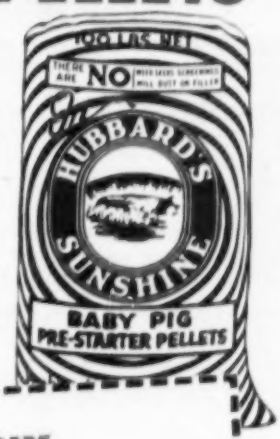

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Hog prices should have government support. This is the view of Paul M. Wiley, Louisa county, Iowa. He would prefer a 90 percent of parity floor to an 80 percent floor.

What help for hogs?

Majority of farmers want federal action to prevent further drop of hog prices

DO FARMERS want congress to do something about the price of hogs? More feed is on the way; more hogs are on the way; and most farmers expect hog prices to be down next winter.

The Wallace-Homestead Poll asked a cross-section of Iowa farm people this question:

"Should the government plan to support hog prices at a yearly average of around $17 (80 percent of parity)?"

At the time of the survey, hog prices at Chicago averaged around $17. But farmers were expecting a drop later in the year.

Farm people answered:

1. **Yes, the government should support hog prices** 55%
2. **No, leave the hog market alone** 35
3. **Undecided** 10

A young farm woman in Page county declared: "The government should have stayed out of business, and we'd have got along. But the way it is now, one control calls for another."

In Cerro Gordo county, an older farmer's wife said: "Why shouldn't the government support hog prices? There are supports for wages and industry."

Some political differences showed up in the reply to this question. Republicans voted 52 percent for supports and Democrats 64 percent.

If the government should support hog prices, how should the job be handled?

The Wallace-Homestead Poll asked:

"'If you think the government should support hog prices, which of the following should the government do?

"1. If the market price drops to $15 in a month when the support is $17, pay the farmer the $2 difference between the market price and the $17 support price on the hogs he sells."

"2. Buy and store pork to keep market prices up to $17."

Farmers answered like this:

1. **Use production payments** 52%
2. **Buy and store pork**....38
3. **Undecided** 10

Owners gave more approval to production payments than did renters. And Farm Bureau members favored such payments more than non-members. The approving vote by Farm Bureau members was 58 percent; of non-members 41 percent.

"You can't store pork too long and have it stay good. Better pay the two dollars difference," said a young farmer in Winneshiek county.

A farm woman in Wright county had much the same idea. "I think the government could save money, work and trouble by paying cash to the farmer to support prices. Let the price to the consumer go down and the poorer families would benefit. This would cut out waste too."

But a renter in Carroll county was doubtful: "If the government supports hogs at $17, farmers

(Continued on next page)

Price supports for hogs

(Continued from last page)

would raise too many hogs and the price would have to go down anyway."

A Cerro Gordo county farm woman commented: "The government might as well pay the two dollars difference. It would cost more to store and distribute pork."

If the government buys and stores pork, what would be done with it? To the farm people who voted for a purchase and storage program, the Wallace-Homestead Poll put this question:

"If you want the government to buy and store pork to keep the price up, what should be done with the pork?

"1. Hold and sell when the market gets stronger.

"2. Distribute thru food stamp plans, school lunches.

"3. Ship abroad to needy nations."

The "buy and store" group voted as follows:

	Rep.	Dem.
1. Hold and sell	15%	10%
2. Food stamps, etc.	49	71
3. Ship abroad	30	12
4. Undecided	6	7

Not many farmers saw much hope in holding pork and selling later, but there was a strong total vote of 57 percent for food stamps and school lunches.

A farmer in Page county gave school lunches first place. "Give surplus pork to the school lunch program. And we have a lot of other hungry people who could use the surplus too."

A young renter in Iowa county wanted more sales effort on pork. He recommended: "Encourage people to eat more pork. Advertise it more and urge farmers to raise better type hogs so we won't have so much fat."

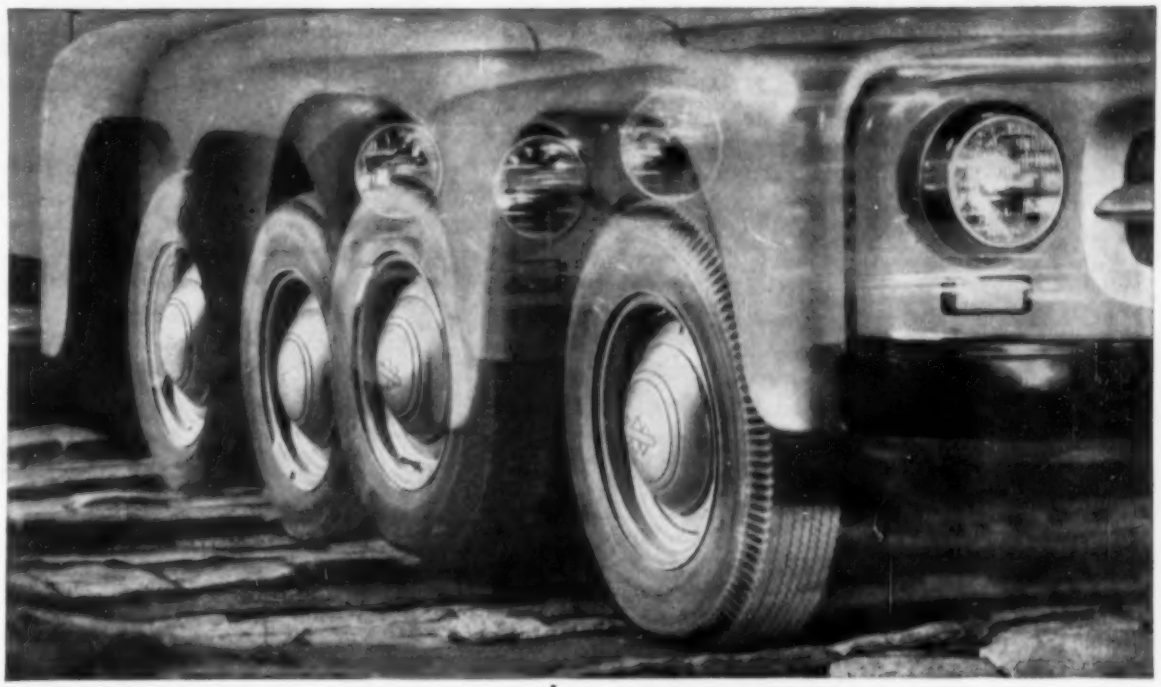
These questions on hog supports have been asked Iowa farm people for several years. The main change is an increase in the number of those who vote for production payments.

In February, 1953, production payments were approved by 37 percent as against the present 52 percent of those asking government help.

To see if the views of Iowa farmers have altered since the summer drop in hog prices, the Wallace-Homestead Poll is conducting another survey on the same subject. It will be reported in this paper next month.

Leave hog market alone is vote of Mrs. Julius Hansen, Audubon county, Iowa.

1,400 crash landings a minute...



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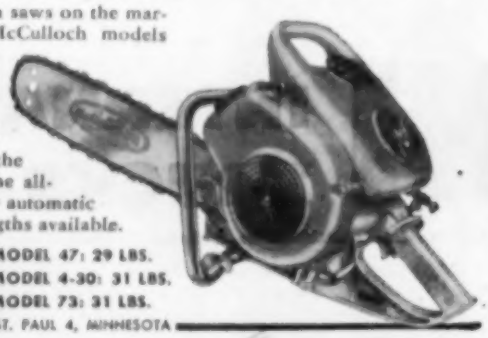

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MODEL 47: 29 LBS.
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Lightning arrester is a must for a TV antenna. You can attach it to the antenna pole as shown here, if lead-in enters house near the pole. If lead-in enters house under the eaves or thru a window, the arrester ought to be near the point of entrance.

Protect TV antenna from lightning

IF YOU have TV, chances are the TV antenna is the highest structure on your farm. That could mean trouble—unless the man who put up the antenna took the necessary precautions.

Those precautions are: a good antenna ground and a properly installed lightning arrester.

A good ground means number six or four aluminum wire fastened from pole to copper-coated ground rod. This rod should be equipped with a screw-type clamp (bottom picture). So there's no chance of wire breaking loose from the rod.

The lightning arrester connects with your TV lead-in wire. Its purpose is to ground an electrical charge before it burns out your TV set.

For best protection, the arrester should be situated where the lead-in wire goes into the house—and as close as possible to the ground rod. Then use separate ground wire—or a jumper to wire from pole.

However, if lead-in wire enters the house from the roof, you can attach the arrester to the TV pole (top picture). Then one wire runs from arrester and pole to the ground rod.

Ground wire from antenna pole and arrester goes to copper-coated ground rod. Wire should be fastened tightly to the rod. After making connection, drive rod completely into the ground.

Research Points

OVER ONE-THIRD of the milk produced for human consumption in Greece last year came from sheep. Goats produced about one-fourth of the milk used.

AN INCREASE in tomato yield was reported by plant pathologist Robert Conover, U. S. Department of Agriculture, when plants were sprayed with a terramycin - streptomycin mixture. The mixture, sprayed on to prevent bacterial spot also resulted in a size increase of 12 percent.

Dr. Conover also tested plants with agrimycin to show results on plants already infected with the leaf spot. This experiment reduced the disease by 72 percent. There was a 40 percent reduction in cracked or scarred fruit.

BRUCELLOSIS can be spread by calves nursing infected cows.

HEAVY NITROGEN applications on mountain meadows in Colorado boosted crude protein content of the forage to more than 20 percent.

KEEP ANTIDOTES on hand when working with farm chemicals, warn scientists in the Agricultural Research Service. They advise making safety habits a routine when working with spray chemicals, because illness or death can be caused when toxic vapor, dust or oil is inhaled, swallowed or absorbed thru the skin. Antidotes will lessen chance of injury, if used at once.

NO CHEMICAL will stop mold in hay, say scientists at Michigan State College. Materials which might give a reasonable degree of mold control are toxic, or poisonous, they declare.

CORN BORERS cause more damage in thick stands than in average stands, according to Iowa State College workers. They found six percent stalk breakage in 8,000 plants per acre. That compares with 15 percent breakage in 19,000 plants per acre.

HARDER TYPE of calcium for hens will produce harder egg shells. That's according to Canadian Department of Agriculture.

"You'll make a fortune. Best rain-making machine I've seen yet."

These NEW Whey-Vitamin blocks give hogs milk by-product benefits without slop feeding!

Weather-resistant Hogbloc makes whey nutrient feeding easy and practical

Here's a revolutionary new way to self-feed whey nutrients that's as easy as putting out a block of salt.

Peebles' Hogblocs are custom-built for hogs — firm enough to stand up against all kinds of weather, yet hogs can eat what they want by chewing at the edges. Block doesn't chip off to be wasted.

One Hogbloc feeds 25 growing-fattening hogs for a full week. Makes 'em do well from weaning to market. For easy drylot feeding, put block into trough or drive a stake through block into the ground.

These 50-lb. blocks come in easy-to-open pull tab cartons. The bottom of the box can be left on when staking the block into place.

Peebles' Hogblocs supply top quality whey nutrients, including natural lactic acid, to give hogs a daily conditioner. These nutrients help put whey-fed hogs out in front because they cut down feeding troubles and send hogs to the waterer and feeder more often.

Extra vitamin fortification adds vitamins B_{12} and D_2, niacin, pantothenic acid and riboflavin. These are the vitamins that help keep hogs healthy and gaining.

Hogblocs are ideal for feeding brood sows, too. They supply the kind of nutrients needed during gestation and while nursing their litters.

whey and hog profits go together

NEW EASY WAY TO SELF-FEED MILK NUTRIENTS FROM WHEY

Whether hog prices are high or low, it pays to get whey nutrients into market hogs right from the beginning. That's because whey-fed hogs put on gains faster and cheaper.

Whey contains many of the growth-promoting nutrients of milk, and contains much more natural lactic acid and lactose which make it a superior natural conditioner. This helps to head off disease and feeding troubles . . . gets hogs back on feed sooner. It makes hogs drink more water and sharpens their appetites.

Whey is high in feed value. One hundred pounds of condensed whey (on a 50% solids basis) supplies:

- as much milk albumin protein as in 900 pounds of whole milk,
- as much lactose as in 700 pounds of whole milk and
- as much milk minerals as in 600 pounds of whole milk.

This is in addition to all the valuable milk vitamins and growth factors naturally found in whey.

Get Peebles' Hogbloc from your regular feed dealer. Write for Free folder K-9, "New Way To Feed Whey."

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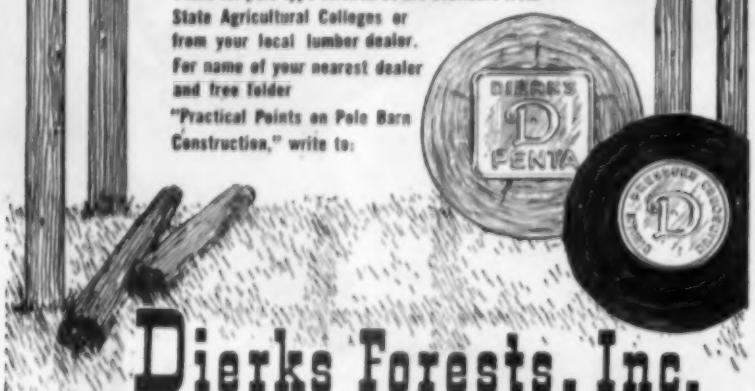
Whether you're building a fence or a pole-type barn, always look for the aluminum tag with the big "D" on the end of every piece—it's your guarantee of a genuine Dierks Pressure-Treated Post or Pole.

Plans for pole-type structures are available from State Agricultural Colleges or from your local lumber dealer. For name of your nearest dealer and free folder "Practical Points on Pole Barn Construction," write to:



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It's the extra bounce given the grist by the retarding screen in the top of a Papec Hammer Mill that enables Papec to grind finer with coarser screens. The screen throws the feed back into the hammers, whose tips travel 3 miles a minute, again and again. When it finally reaches the grading screen, it is thoroughly ground. Every Papec Hammer Mill is GUARANTEED to outgrind ANY other mill in the same power class. Exclusive dollar-saving features give you MORE FOR YOUR MONEY in a Papec. See your Papec dealer or send name on margin of ad. Papec Machine Company.

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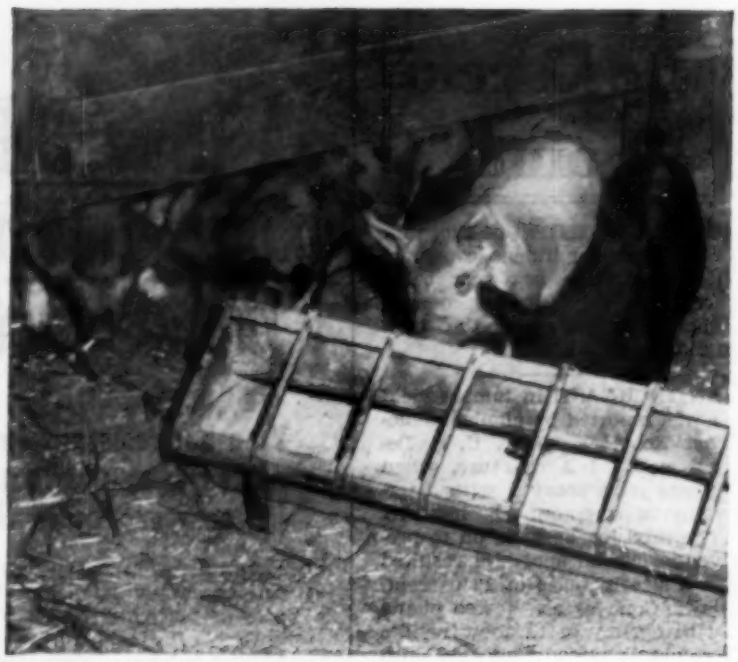


Pigs make good use of feed at this age. Two pounds of balanced feed will return a pound of gain, maybe more. Above creep feeder is in portable farrowing house on pasture.

Stick to creep feeding

Keep pigs thrifty. And get big return per pound of feed

WITH hog prices near the rocks, it's hard to shell out money for pig starter feed.

Maybe you're tempted to let pigs rough it. And try to keep 'em cheap. If so, better do some figuring first.

Good hog farmers—the ones who use their pencils as well as their "know-how"—are sticking with their creep feeding programs

"You can't afford to skimp on feed for baby pigs," declares George E. Myers, president of the Hamilton county, Iowa, swine producers association.

"Better give them the best pig starter you can buy," Myers thinks. "And count on trying to hold down the feed bill later on."

Myers' 29 litters of fall pigs will find starter feed in a creep in the grove where sows will be fed.

"It doesn't cost much to give a pig all the starter feed he'll eat," Myers argues. And you get a big gain per pound of feed at that age.

Iowa State College studies show that you can expect to get a pound of gain for every one and one-fourth to two pounds of feed when pigs are two to eight weeks old. Later on, it'll take three or four pounds of feed to make a pound of gain.

Big advantage in creep feeding is that it keeps pigs thrifty. You avoid runt pigs that are likely to show up when pigs get hungry. Or if the ration isn't properly balanced.

Once a pig stops growing and gets out of condition, he's an easy target for disease.

"A pig isn't worth much if he's unthrifty when cold weather hits him," Myers comments.

University of Illinois tests indicate smaller death loss in creep-fed pigs than in comparable pigs not creep fed.

Even when sows and litters were on good pasture, creep-feeding gave pigs a boost in Illinois tests.

Other ways to keep fall pigs hustling:

1. Castrate at about four weeks. At that age, they'll suffer less shock. And a set-back in growth is less likely.

2. Vaccinate for cholera and erysipelas at six weeks.

3. Worm pigs by 10 weeks of age—particuarly if they've had access to lots or fields where you've had hogs previously. Worms cost you money. USDA tests show that 20 to 40 roundworms per pig will cut gains in half.

Good prices or poor prices, a lot of hog raisers will agree with Calvin Frohardt of Pottawattamie county, Iowa, when he says: "The fastest growing pig is still the best pig."

The longer you keep a bunch of hogs on the farm, the longer you have to flirt with disease, Frohardt reasons. And it costs something just to have the "use" of a pig—whether he's gaining or not.

NEW DRUGS to control common colds and influenza look like a good possibility within the next few years. In test tube experiments made recently, influenza virus was stopped completely from growing. Scientists say that the chemical used to control the virus is closely related to a number of compounds that could prove helpful in cases of colds or influenza.

SAVE YOUR LIFE!

Dangerous conditions can develop in only a few hours. It was lucky for Tom that Ted was around. True story is reported by Norval J. Wardle, Iowa State College safety specialist.

TOM and Ted were walking toward the silo after their noon meal.

"How full is the silo?" asked Ted.

"About half full before dinner. The way it's sinking, it's probably down to a third now," replied Tom jokingly.

"Better check to see it hasn't dropped so far that you'll be below the door opening. That stuff can produce a lot of carbon dioxide in the hour and a half we stopped for dinner."

"Oh, that isn't really dangerous, is it, Ted?"

"You can smother to death in it."

"If it looks dangerous, I'll have you jump in and check it for me," said Tom as he started to climb up the ladder on the silo.

"Here's a load already to go. Better wait until we start the blower," continued Ted.

But Tom went on up the ladder. The silage had sunk considerably and he had put three doors in just before dinner. He thought of removing a couple because it did look like his head would be below the opening. Then he thought of the job of replacing the doors and decided against it.

He let himself down into the silo. He had to drop from the doors. He thought: "Oh, it's all right. Good air in here." Then he felt too giddy. He couldn't get his breath. He cried out. "Ted, Ted."

"Tractor too noisy," he thought. "I'll climb out." Then—

He was lying on his back, silage hitting on his face. Yes, Tom had really been out. He lay there a moment and then realized that he had been saved by the blower starting up which gave him fresh air.

While filling a silo, remember:

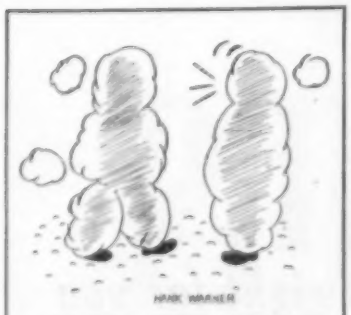
1. Put in the doors only as needed.

2. Start up the blower before getting into the silo. Do this even before cleaning it out to start.

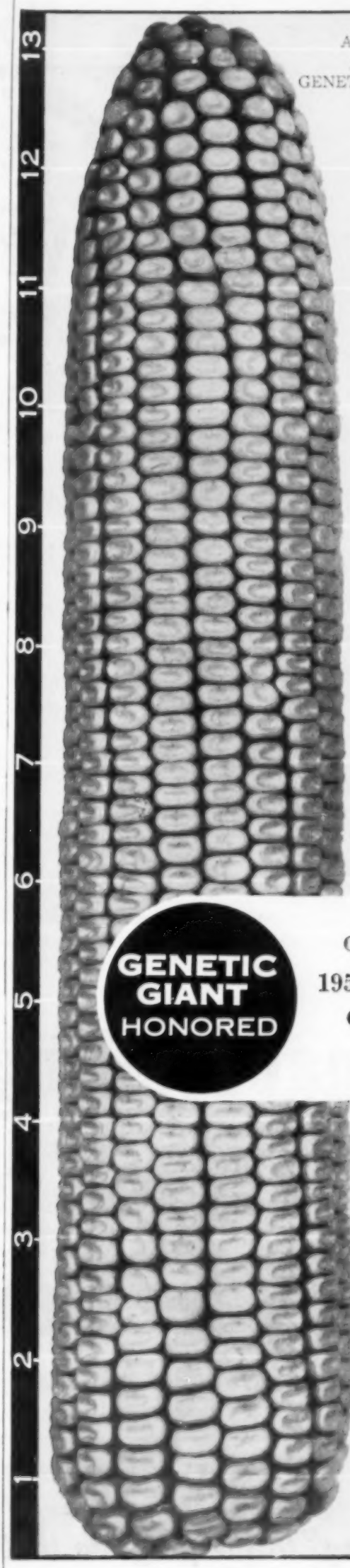
After filling:

1. Keep the doors removed down to the silage.

2. Keep children out of the silo.



"Hello, Ed . . . Bit dusty today."



Actual photo of an ear of GENETIC GIANT No. 15

Steckley's

GENETIC GIANT®

THE AMAZING **new** WONDER CORN

LARGEST EARED HYBRID OF THIS CENTURY AND THE FASTEST SELLING

check these features

SEE IF YOUR PRESENT HYBRID COMPARES

- Greatest in length — ears up to 12 to 14 inches. Some ears up to 15 inches and over have been reported.
- Up to 1 lb. and over in weight.
- Finest tip fill.
- Insect and disease tolerant.
- Higher protein content.
- Drouth resistant.
- Ideal stalk and ear height — excellent picking qualities.
- Superior standability and root system.
- Excellent feeding qualities.

GENETIC GIANT HONORED

Genetic Giant was selected for the

1955 NATIONAL MECHANICAL CORN PICKING CONTEST

at St. Joseph, Mo. — Oct. 14-15

Act now — Place your order for 1956 planting. See your Steckley Dealer or mail coupon or send letter.

STECKLEY HYBRID CORN COMPANY

home office 2416 N STREET LINCOLN, NEBRASKA DeWITT, IOWA

Steckley SINCE 1931 SERVICE TO THE FARMER 25TH YEAR

Please reserve _____ bu. of Genetic Giant for my 1956 planting. I would like

☐ LF ☐ MF ☐ LR ☐ MR

I understand the conditions of this reservation will be sent upon receipt of this coupon or letter . . .

☐ Please send free literature on Genetic Giant.

☐ Please send information on Dealerships. I am interested in a sales territory.

NAME _____

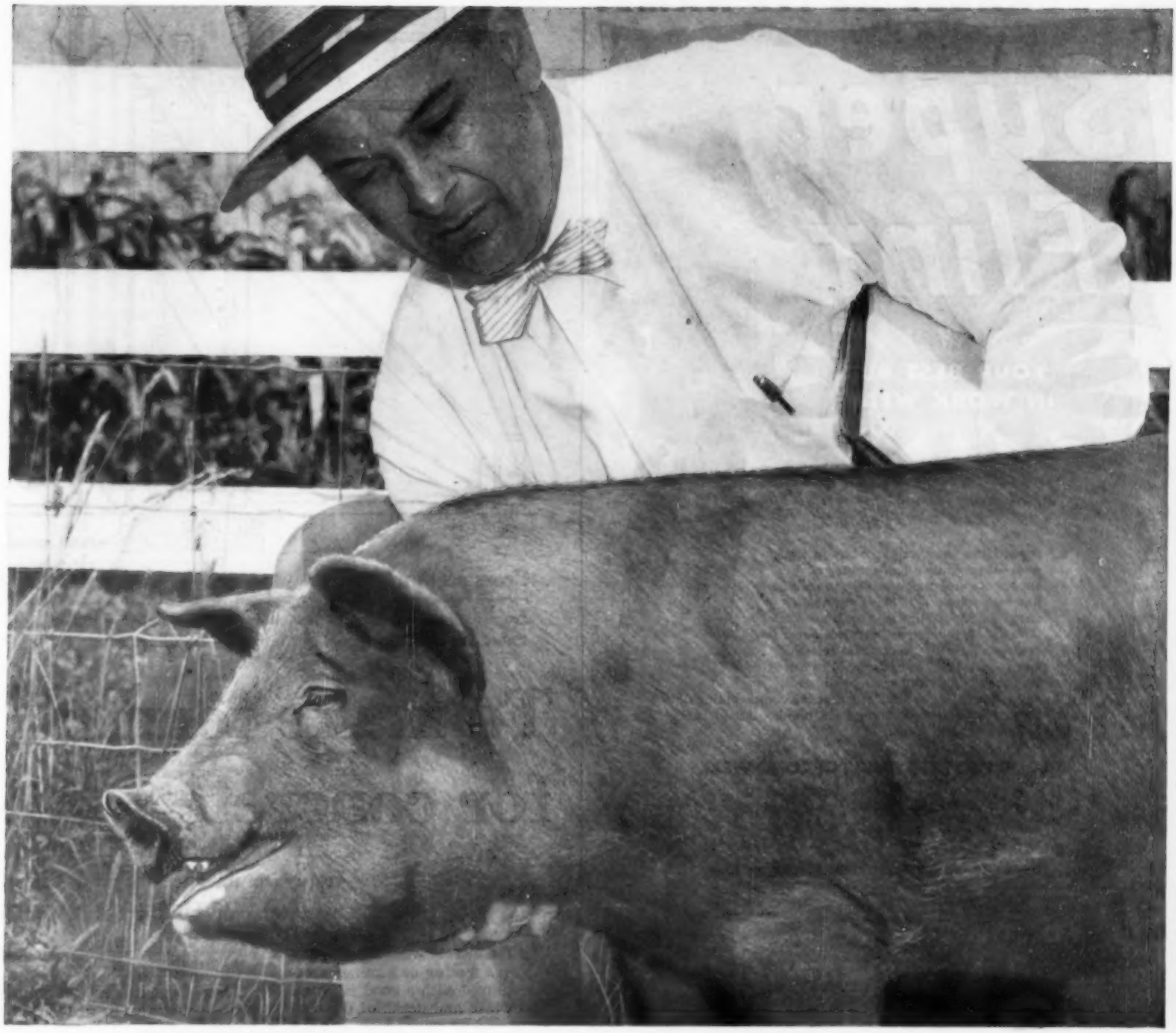
R.F.D. _____

CITY _____ STATE _____

D. W. MARTIN, Pillsbury poultry specialist, is among experts who'll plan a program to give you better results at lower feed cost.

A personal feeding plan built just for you by these Pillsbury feed experts

switch from "pot luck feeding" to the program that's right for you



DR. SPENCER H. MORRISON, leading feed authority, heads Pillsbury experts who will build your Personalized Feeding Plan.

be sure... follow the program that's right for you

Wouldn't you like to get 220-pound hogs in 5 months or less . . . hens laying in 4½ months . . . steers that yield up to $22 extra profit per head . . . cows that produce 1,000 to 2,000 *extra* pounds of milk in their next lactation?

Today, these are *practical* goals with good management and *planned feeding*—under a plan that eliminates "pot luck" methods and makes full, *practical* use of modern-day feeding discoveries. And you don't have to go to all sorts of time and trouble to put such a plan together.

Without obligation you can now have *experts* draft a plan especially for your farm—top specialists headed by Pillsbury's Dr. Spencer H. Morrison, one of America's leading feeding authorities.

This Pillsbury program is tailored to help you get the most out of your own home grains, pastures, roughage. It's a program covering all your stock and flocks from their present stage to market.

HOGS DAIRY COWS BEEF CATTLE SHEEP POULTRY

Here's how you get your plan. Your Pillsbury man visits your farm, asks to look at your stock, grain supply, equipment, everything vital to a plan that fits your farm to a "T". With this information, the Pillsbury Planning Center at Clinton, Iowa, builds the *one plan that's best for your farm*—your Personalized Feeding Plan.

just see your dealer... it's all free from

Pillsbury Feeds

Pillsbury's BEST XXXX FEEDS

Pillsbury Mills, Inc., Feed & Soy Div. *Headquarters: Clinton, Iowa*

AS DURABLE AS ITS NAME!

Super Flint

YOUR BEST BUY IN WORK WEAR!

• *long lasting, heavy 10 oz. denim* • *Sanforized* • *easy to wash* • *comfortable fit* • *"Wear Ease" elastic suspender*

Super Flint, your very best buy in work wear—backed by a half-century of experience and craftsmanship in making fine work clothing. This is your assurance that Super Flint is superior. Remember, too, Super Flint workwear is comfortable with "Wear Ease" elastic suspender. And Mom, Super Flint can be washed again and again with hardly any effort. Ask your dealer about the complete line of Super Flint—overalls, dungarees, blanket-lined jackets, ladies' and girls' jeans.

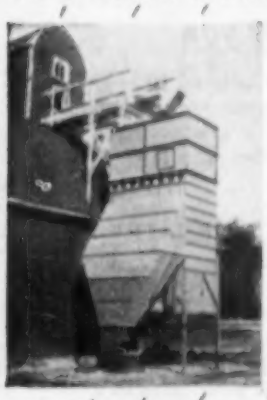
LOOK FOR THE SYMBOL OF LONG WEAR

Super Flint

by SCHRAMM & SCHMIEG CO., Burlington, Iowa

IF YOU ARE SURE IT WILL NEVER RAIN AGAIN . . .

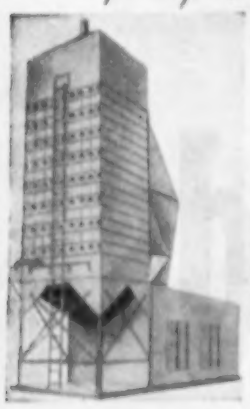
YOU WON'T NEED A HESS GRAIN DRIER



Of course, we all know that it will rain again—many times—and many times you'll be "loaded" with wet grain . . .

Those raindrops *can* be "pennies from heaven"—if you have a Hess Climate Master Grain Drier. Just think of the money you'll be ahead *if* you can dry that grain to take advantage of high dry-grain prices in wet seasons!

HESS Climate Master®



The finest
BATCH SIZE AND
CONTINUOUS FEED
GRAIN DRYERS

ALL SIZES and Capacities for Every Grain Drying Need . . .

All Steel Construction
Oil or Gas burners control temperatures *within one* degree . . . regardless of outside temperatures!

WRITE . . . for free catalog

THE HESS COMPANY
1855 S. 54th Ave., Chicago 50, Ill.
Please send me your free catalog and all the facts.

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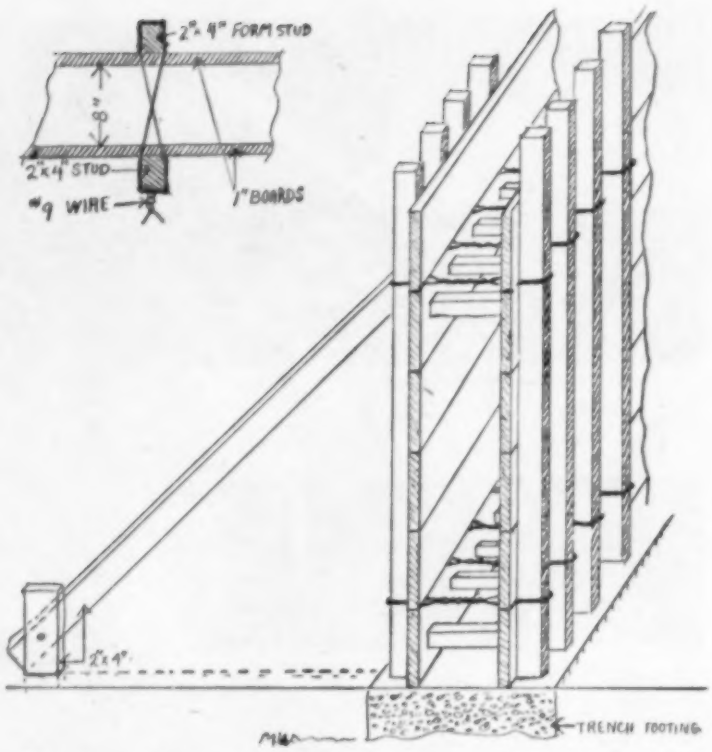


Cross section of a good form for a poured concrete wall. Notice the twisted wires which prevent form from expanding. Notice, also, the spacers which can easily be knocked out and removed as the wall is being poured.

To make forms for concrete

Here are instructions and list of materials for building wall forms

ALL concrete walls should rest on a footing or a trench footing, poured with a good mixture. The width and depth of the concrete should depend on density and make-up of your soil.

Dressed boards, eight inches in width, make the best form sheathing. Knots, if sound, are not objectionable. The two by four studs must be as long as (or longer than) wall is high.

Purchase a quantity of No. nine soft iron wire; a pound or more of six penny commons; saw scrap lumber into pieces as long as the wall is thick. Then split these into pieces about one inch by one inch for use as spacers.

With edge of board even with end of stud, drive nail three-fourths inch from lower edge. With carpenter's square make stud square with board. Drive second nail near upper edge.

Space studs 24 inches apart. Nail board on each stud as before. If wall is longer than boards, lap board end half way on last stud.

Proceed in like manner with opposite form, making sure the studs on both forms are directly opposite.

The two sides are ready to raise on footing. Two men or one man and helper are required to raise and hold the forms. If not too long or too heavy, one man, using temporary braces, can handle the forms. Measure thickness of wall plus one and one-half inch (two boards) between tops of a pair of studs, and "tack" a wooden tie across the tops of two of studs. Of course a temporary brace is necessary to hold form upright.

Place a spacer between bottom boards; cut wires to wrap around a pair of studs with extra length to make a close twist of two inches or more. THIS IS IMPORTANT! When the wires come across the wall space, be sure to CROSS the wires—then make the close twist outside the two by four. Extreme pressure will never unwind crossed wires.

Continue along the form with spacer and crossed wire tie—twisted outside each pair of studs. Don't twist CROSSED wires at this time.

Place second board on bottom board, force down tight, using scattered nailing, top of board on first stud, bottom on next. Nothing to hold, easier to wreck. Do the same with the opposite form.

With a spacer below and above the wire, twist the crossed wires until the spacers are rigid. A small rod or a large spike make good twisting tools. Proceed with all wire ties.

A light coating of a mixture of crank-case oil and kerosene applied to the inside of each board after nailing will avoid messy handling. This oil will exclude moisture from wood and concrete will not adhere to the boards.

A wire tie to each stud every 30 inches in height will hold any thickness of poured wall.

When all wires are tight the form is like one piece of lumber. A two by four of correct length—on one side—every 10 feet, will hold form in perpendicular posi-

(Continued next page)

Forms for concrete

(Continued from last page)

tion. Thus one side is free of braces to facilitate filling. One spike to form and one spike to rigid two by four stake is enough to hold.

As form is being filled, knock spacers loose and spear with sharp nail on a pole. If left in, they weaken the wall.

If an end wall, rip board the width of thickness of wall; slip between sheathing and hold plumb with nailed cleats.

While filling, puddle down center of concrete with blunt two inch board. The concrete will fill in perfectly along both forms and mix will be retained.

Don't wait too long before removing forms. Unwind wire ends; cut close to boards; with little effort the form will fall away from wall. A good three cornered file will cut the looped end—cut wires close as before.

These form sections can be reused or can be wrecked. If the boards are properly piled, they can be used on any construction job.

Wait until the concrete is thoroly set before cutting the protruding wires. A three cornered file will notch the wire tight to the wall and then the wire can be easily broken off.

Dust Pneumonia In Pigs

Dust pneumonia is causing a lot of trouble this year. Dusty barns, sheds and wallows are the main cause.

It's a good idea to prevent an accumulation of dust where hogs sleep. Floors with no bedding are all right for hogs during the summer months.

Dust pneumonia is difficult to treat, and the resulting lung damage may exist for some time. Hogs that have had dust pneumonia are easy prey for swine flu in the fall.

Keep An Eye On Drouth Corn

Last year, many cases of "corn stalk poisoning" were reported. Some farmers in Missouri lost cattle.

If drouth hit hard at your corn fields this year, keep in mind this possible danger. Pasture drouth-stricken corn stalk fields with great care, turning cattle in gradually and with a full stomach to start with.

"Cut out the fishing and get started on those fences. Signed, 'your wife'."

harvest more crops per hour... save more dollars per acre

BEANS, GRASS AND LEGUME SEED— this fall you can keep your harvest of these important crops rolling as never before!

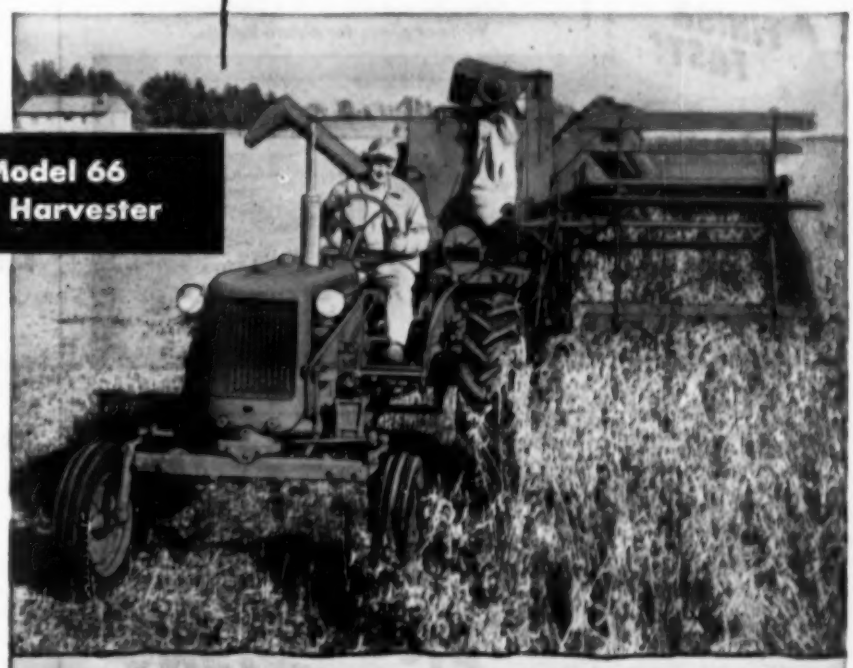
The 25-bushel grain bin of the new "Big-Bin" Model 66 ALL-CROP Harvester unloads *on-the-go*. You control unloading from the tractor seat, for more hours of non-stop fall harvesting.

Bin empties faster into moving truck or wagon, with new big-capacity auger and extra-long conveyor.

Both the new "Big-Bin" Model 66 pull-type machine and the self-propelled Model 100 have rubber-faced cylinder bars and wide-flow feed — ideal for saving beans. For tiniest seeds, air blast separation and accurate wind control assure thorough separation and cleaning.

Now is the time to talk with your Allis-Chalmers dealer about having your own ALL-CROP Harvester. Save more bushels . . . make the most of every hour in the field.

FARM EQUIPMENT DIVISION, MILWAUKEE 1, WISCONSIN

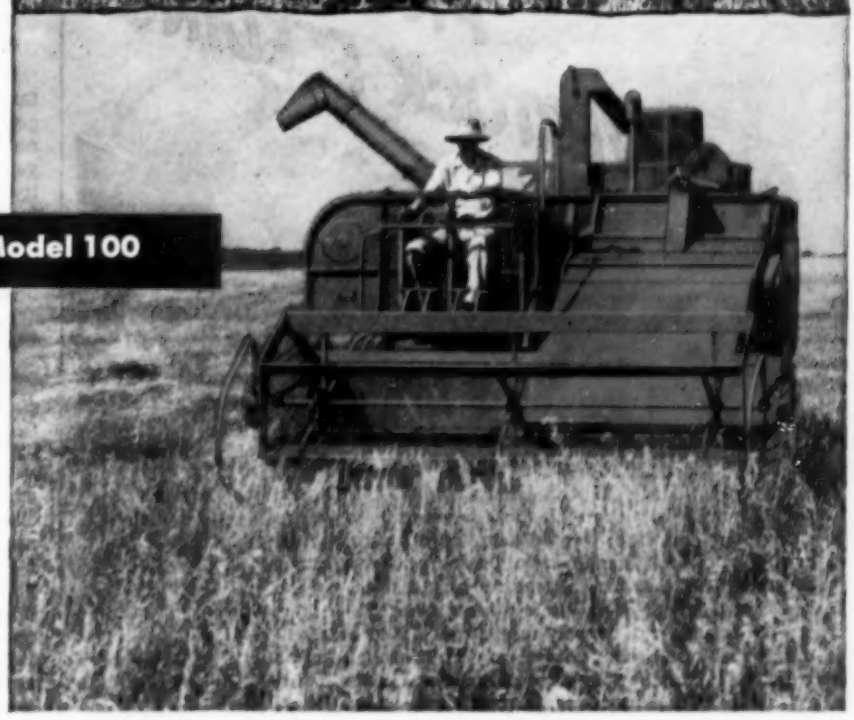


New "Big-Bin"* Model 66 ALL-CROP Harvester

$1,250 complete with PTO attachment f.o.b. factory.

Soybeans

Both Model 66 and Model 100 machines are available with optional bin or bagger equipment.



Self-Propelled Model 100

$4,095 with 9-ft. header, f.o.b. factory.

$4,245 with 12-ft. header, f.o.b. factory.

Brome Grass

ALL-CROP and POWER-CRATER are Allis-Chalmers trademarks.

ALLIS-CHALMERS

LET CROPGARD WHEEL AWAY YOUR CROP-DRYING PROBLEMS

START NOW!

1. Fill dryer with grain or corn
2. Hook to tractor PTO
3. Light the oil burners
4. Cropgard dries *all* the grain
5. Shut off burners and cool grain with fan
6. Unload grain with the PTO operated hydraulic hoist

Cropgard handles all crops—shelled corn, small grain, seed, milo, soybeans—and even hay (with side extensions). It ties in perfectly with picker-sheller or combine and does its drying either stationary or in motion. No electricity is needed, since it runs from your tractor power take-off. *BIG guaranteed drying capacity:* 135 bu. small grain, 100 bu. shelled corn, 1 ton hay *per hour!* Ready to run the same day it's delivered for $1985, F.O.B. factory, with running gear, hoist and extension sides available as extras.

Cropgard is A.S.C. (P.M.A.) Financed. Write or phone for picture-bulletin.

FINISH FAST!

CROPGARD FARM DRYER

A Product of LAKESHORE MANUFACTURING COMPANY
3305 Republic Ave.
Minneapolis 16, Minn.

Young farmers like the survivor benefits of social security. It takes a lot of worry from the shoulders of young farmers who are paying for a farm and raising a family. Mrs. Eugene Baker, Decatur county, Iowa, is glad to have social security protection for her daughter Kathy in case something happens to Mr. Baker.

More questions on

Social security

Do tenants or landlords get the social security benefits?

HERE are questions often asked by landlords and share-tenants about their social security coverage:

"We rent a farm on a crop-share basis. The landlord says I am his hired man and that he is the self-employed farm operator. And that we both are covered by social security. Is he right?

No. You are the self-employed farm operator and the landlord gets investment income. If your net income is more than $400 a year, you qualify for social security benefits. But your landlord's income from rent will not qualify him for benefits.

I own a farm and have it rented out for half the crop. Is there any way I can become eligible for social security benefits?

Yes, there are two methods you can use to qualify for social security benefits.

1. You can cancel your lease and operate the farm yourself. The work can be done by a hired man who works for cash wages, but the net income would be yours. And if the net income was more than $400 a year, you'd qualify for the benefits.

2. You can change your lease agreement to specify the number bushels of corn or other farm produce your tenant would get for his work. But say you agreed to give him 1,000 bushels of corn for working the crop. And you had a crop failure. Then you'd have to buy enough corn to pay him.

Under the second type agreement the tenant would not be qualified for social security since he was not paid in cash. But the net income from the crop would belong to you and would qualify you for social security benefits.

My landlord and I farm on a 50-50 livestock share basis. Our agreement is a partnership as far as sharing expenses, income and loss are concerned. Are both of us eligible for social security benefits under our agreement?

No. The usual 50-50 livestock lease agreement contains the statement, "This is not a partnership." And does not require joint liability for debts, joint bank accounts or a partnership name.

You are the self-employed operator and your landlord receives investment income. You will be eligible for social security coverage. But the investment income your landlord gets won't qualify him for the benefits.

But farming can be done under a partnership the same as any other business. The general features of a legal partnership are:

1. The members are individually and jointly responsible for debts of the partnership.

2. Members use a partnership name in dealings with others.

3. The partners have a joint bank account.

4. All partners take part in making decisions regarding management and control of farming operations.

5. Members of the partnership share in expenses, profits or loss from the farming operation.

If these features of a partnership are met, each member is a self-employed operator and his

(Continued on next page)

CAREY BALANCED RATION PLAN ADDS DOLLARS TO PROFITS AT AN ANNUAL COST OF PENNIES A HEAD!

Yes it's true—Carey Trace Mineralized Salt helps to supply the minerals livestock must have daily to insure profitable growth, bodily repairs and reproduction. Add it to the nutritious farm grown grains and roughages and you will add dollars a head to your profits, yet the added cost per year is only a few cents a head.

So easy to use, too! Merely mix Carey Trace Mineralized Salt with other feeds as you would plain salt and you automatically help supply essential feed-minerals in correct proportions and amounts to provide against mineral deficiency. Ask your Carey dealer for details.

THE CAREY SALT COMPANY
Hutchinson, Kansas

In Modern Farm Kitchens
IODINE-BALANCED CAREY SALT...
is the favorite way to coax out full food flavor. Carey Table Salt assures proper iodine ration daily—by an exclusive patented* process that gives iodine-balance with every "shake" of salt.
*Patent No. 2,506,568

More about social security

(Continued from last page)

profits are covered by social security.

My wife and I own our farm together. Are we partners? And can both of us qualify for social security benefits?

Marriage makes man and wife partners as far as life is concerned. But not in a business or a farming operation.

But if husband and wife form a legal partnership, both are self-employed and eligible for social security benefits. But the partnership would have to meet requirements listed above.

In case there is no legal partnership between husband and wife, net earnings from the farm operation go to the one who has the management and control of the farm. If the husband runs the farm, he should report all the self-employment income, even if both work on the farm and file a joint tax return.

If a husband employs his wife or a wife employs her husband, the wages paid by one to the other do not count for social security purposes.

I have a farm rented from my father. He helps plant, cultivate and harvest the crop. I pay him wages for his work. Is he covered by social security?

No. The wages paid a parent by a son or daughter will not qualify the parent for social security benefits.

Our two sons earn about $500 a year from 4-H and F.F.A. projects. Do they have to pay social security tax on this income?

Yes. If your sons carry on a special activity all by themselves they are self-employed. If the net income from such a project is $400 or more a year, they must file an income tax return and pay social security tax regardless of their age.

My wife usually keeps about 500 layers. Can she qualify for social security on the egg income?

If your wife pays all the expense of the laying flock (including corn and oats from the farm) and keeps all the income separate from other farm income, she may be self-employed. And if the net income is more than $400 a year, she could get social security coverage. However, merely doing the poultry chores doesn't make your wife a self-employed person nor your employee.

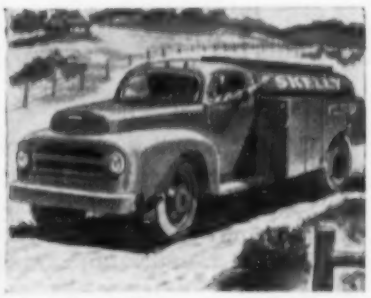
"What do you mean . . . too small? You haven't even tried it on."

GUARANTEE YOURSELF LOWEST PRICES ON ALL YOUR FARM LUBRICANTS:

...by ordering your farm lubricants now on Skelly's Advance Order Plan, now being offered by Skelly Tank Men and Jobbers

Today, estimate your lubricant needs for next year, both motor oils and greases. Use this year's requirements as your guide, but allow for additional equipment, or increased use of present machinery. Double-check your estimate. Make sure it's complete. Then, go to your telephone, and . . .

Call your Skelly Tank Man right away and order your lubricants for 1956. You pay nothing now, yet if prices are higher next Spring, you pay only today's low prices. And, if prices go down, you pay the lower price in effect at delivery time next Spring. Either way, you save money!



Specify delivery next Spring on your Advance Order lubricants. Pay nothing until delivery (anytime up to April 30, 1956). You'll be sure of absolute top quality, delivery when you want it, in the amount you need, with no waiting during your busy Spring season! Order now from your Skelly Tank Man.

Keep engines clean with Skelly Supreme Motor Oil (world's lowest consumption motor oil), and famous **Skelly Tagolene HD Motor Oil** ("the" low wear rate motor oil). Both have special detergent-dispersive additives, plus the ability to resist high engine heats, and still flow instantly at low temperatures.

Skelly Fortified Tagolene Greases offer you a wide choice of special purpose lubricants, each one absolutely tops in its class.

Skelly Supreme Multi-Purpose Grease combines high heat resistance *and* high water resistance! Works equally well for chassis, wheel bearings, water pumps, and universal joints!

SKELLY

Call Your SKELLY TANK MAN Today!

Skelly Oil Company, P. O. Box 436, K. C., Mo.

Best Crop On The Farm

FIVE BOYS make a lively family. Mr. and Mrs. Dee Cambron, Marion county, Iowa, never have a dull moment. Roger, Rodney, Randy, Ronnie, and Richard all reach for a drink at the same time.

Farm mother has a wonderful time raising five boys

"NEVER a dull moment, and never a moment to spare!" That's the enthusiastic way Mrs. Dee Cambron of Marion county, Iowa, sums up her life.

It's easy to understand, when you see the five lively reasons why her days are so busy and exciting, for the Cambrons have five boys, ranging from three to nine years.

There's Richard, who's barely three; Ronald is four; Randall, six; Rodney, eight, and Roger, who's "boss of the gang," at nine.

Taking care of them is a full-time job in itself, but Marilyn Cambron, pretty, slim and blonde, manages to crowd in plenty of typical farmwife-and-mother activities too.

This summer, for instance, she has raised 800 chickens, and has a large garden. This garden is the source for plenty of vegetables for good winter eating, for Marilyn cans hundreds of quarts of corn, beans, and tomatoes every year.

"Of course," as she says, "our family takes care of plenty of it right during the summer. Our daily canning, you might call it." And looking at those five husky boys, it's easy to imagine that a platter of sweet corn wouldn't last long!

Just how does one go about managing to find time to do all these, engage in church and community activities, and still give plenty of attention to the youngsters? Marilyn says her new clothes dryer, installed conveniently in her kitchen, is a big help. Many of the children's clothes, freshly-dried, can be smoothed into neat piles and put away.

She washes twice a week, finds it easier than letting the clothes pile up into a huge job once a week. Perhaps her best rule is to do all the ironing and mending necessary the same day she washes.

She finds it's much easier to do housework when the boys aren't underfoot, so she races thru some of it before they get up in the mornings, and finishes up after they're in bed at night. Some jobs she does while the two smaller boys are napping in the afternoons.

Good play facilities are important for children, Dee and Marilyn Cambron believe. There's a sturdy metal swing set, with "skyride" in the side yard. Outside the back door, a huge white-painted tractor tire circles a sandpile. Over the back fence there's a big grassy plot that the children use for a baseball field. Of course, Richard, three, and Ronald, four, can't quite keep up with the others at baseball. But they make a good cheering section.

A couple of trikes, a small bicycle, and a big one provide fun for the children. The big one belongs to Roger, and it's his reward for helping with field work. Randall, six, has two rabbits as his special pets, but the two dogs just belong to them all.

Do the boys help much with tasks? Well, admits Marilyn, sometimes it's helpful if they just play together peacefully and take care of the younger ones. They do make their beds, pick up toys, dry dishes, and help pull weeds in the garden.

With five boys in a row, it looks like a cinch to hand-down the blue jeans. But Marilyn says they get worn out before there's a chance to go on to the next. The boys' shirts are usually her special handwork, and she often makes them all alike, to conserve material.

Getting to school is no problem, for the boys go only about one-fourth mile to the Caloma Community school, where they have an excellent teacher. Unlike some country schools, it has a half-day kindergarten.

Marilyn and Dee Cambron consider their five "little stairsteps" the greatest crop they're growing on their 240 acre place, and they're justifiably proud of them. Well-mannered, healthy, husky and happy, they have a wonderful future!

CLOTHING gets quite a work-out with these healthy active boys. Mrs. Cambron makes their shirts and frequently they are all alike to conserve time and material.

Homemaking Today

Edited By ZOE MURPHY

don't SHIVER and SHAKE this winter

Discover the miracle of

"TRAVELING HEAT"

REVOLUTIONARY! PATENTED!

Siegler Heaters

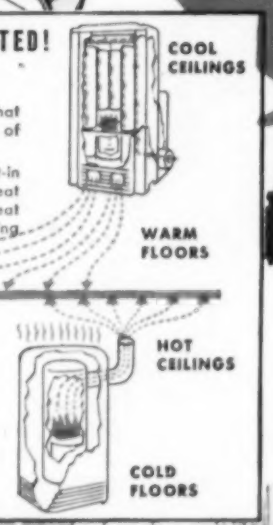
- Give you patented Heat Tubes that use the hottest heat instead of losing it up the chimney!
- Give you the patented, built-in blower system that forces heat down to the floor! "Travels" heat to every room instead of wasting it on the ceiling.

GET THIS →

NOT THIS →

ORDINARY HEATERS

Let your heat rise . . . waste most of it on your ceilings . . . lose a lot of it up your chimney! You pay for heat you never get to use!



Enjoy Warm Floors!

Heat "travels" to every room without costly furnace pipes or registers to install!

If your rooms and floors are so cold, you shiver and shake all winter—you'll say Siegler's new "Traveling Heat" *is* a miracle—a miracle of comfort! You'll never again have to worry about the children playing on cold, drafty floors—because the new Siegler Heater gives you warm floors! You'll never again have to live in 1 or 2 rooms all winter—because the new Siegler Heater actually "travels" warm, even heat to every room in your home.

In every way, Siegler is the finest Home Heater you can buy. Saves up to half the fuel! Gives you up to twice the heat! Its heavy, cast iron construction gives constant, even heat and lasts a lifetime. The finish is porcelain fused to the metal—not just baked on paint! It won't discolor or flake off! And the Siegler Home Heater is so silent—only the warmth you enjoy tells you it's running!

No other home heater offers the comfort, safety and health for your family you get with a Siegler. See a Siegler Oil or Gas Home Heater today! The Siegler Corp., Centralia, Illinois.

MONEY BACK GUARANTEE

SEE **Siegler** PATENTED AUTOMATIC

OIL or GAS HOME HEATERS

"with the Patented Heat Tubes"

THESE SEVEN MOUNT CLARE COLLEGE girls—freshmen last year—have a combined total of 54 years in 4-H club work. They are (left) Marian Burke, Clinton county, Iowa; Mary Gail McCormick, LaSalle county, Ill.; Sharon Waples, Clark county, Mo.; Joan Goddard, Clinton county, Iowa; Rita Ann Burke, Whiteside county, Ill.; Mary Ann Rosner, Clinton county, Iowa; and Kathleen Manning, also of Clinton county.

Country air

WHEN I came back from a trip to the Minnesota lakes I went thru my accumulated mail first thing of course. On the cover of the current Wallaces' Farmer and Iowa Homestead was "Dante M. Pierce, 1880-1955." That didn't look right. It was Centennial year. I turned to Donald Murphy's "Inside Stuff" before I realized what it meant.

r r r

I recalled a trip Mr. Pierce had planned for me when I was being sent to New York. Every train time, car number and direction was perfectly worked out. I knew Mr. Pierce had arranged for the ticket but I didn't know until I read Mr. Murphy's story about his knowledge of transportation schedules. No wonder it was such a smooth trip. He had become a legendary figure for me. I long cherished a letter from him on my column about Will Rogers' death. It seems he was a very special admirer of Will Rogers.

r r r

The little brown satin backs that have gone bare-shirted all summer or with halter blouses or with bathing suits are covered now with new Davy Crockett T-shirts or crisp gingham dresses. The school bus is due. Every little sunburned crew cut has had the sand scrubbed out. Stubbed and spreading toes have kicked off summer sandals and walked out proudly in stiff new shoes. With laces already untied.

r r r

I know a second grade teacher who has spent much time this summer on charts and extra work book sheets. She has read Rudolph Flesch's "Why Johnny Can't Read." While Mr. Flesch may not have the whole answer in the system of phonics, I'm sure it is a big help to anyone who has that key to our English language. It is the fault of the language not Johnny that we have so many exceptions.

r r r

It would help if quality were spelled kwality. Kweer that a phonetic duck can't kwack phonetically. It's pretty psilly to spell psychology with a "ps." And it's Pfunny to spell phonics a ph instead of an F.

r r r

Someday someone may take up the cudgel for diagramming sentences as Mr. Flesch has for using phonics as a tool for reading. To draw a diagram of a sentence meant a beautiful pattern for me. We neatly marked our lines with vertical lines to indicate subject, predicate and object.

r r r

The nicest conversations I have are the ones when my farm manager and I wander afield from our own acres and talk about agriculture and world conditions. He says, "I feel too many people misunderstand the true farm situation." He knows I am not misunderstanding because I can hardly conceal from him that I'm a realist. Neither of us is Pollyanna enough to kid ourselves that all is rosy because there are lots of autos and televisions and motor boats and night clubs. We think about the disparity between farm markets and costs.

r r r

Some farmers have a peculiar loyalty to status quo. Some are reluctant to put up an organized statement because the rest of the world would say "Those farmers squawking again." Some don't want to make any statement because it would be construed as political. Some are going to vote Democrat. Some view with horror the matter of being a political football again. — Elizabeth C. Wherry.

-- FREEZERS --

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Notice the appliance ads in this paper . . . see and read about these convenient items of modern day living that save you time, work and make your life a lot more enjoyable. A major appliance is one of the best household investments you'll ever make.

Wallaces' Farmer and Iowa Homestead

YOU GET EXTRA CONVENIENCE in the BIG G-E UPRIGHT FREEZER!

You're looking at the easiest-to-use food freezer ever designed.

This great new 15-cubic-foot G-E Upright Freezer holds 525 pounds of frozen food. Yet it takes less than a three-foot square of floor space. You get famous G-E dependability, too, plus all these other G-E conveniences and advantages:

- All-aluminum liner for fast freezing
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- Two three-position sliding shelves
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- Eye-level, adjustable temperature control
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108 E. 4th Street
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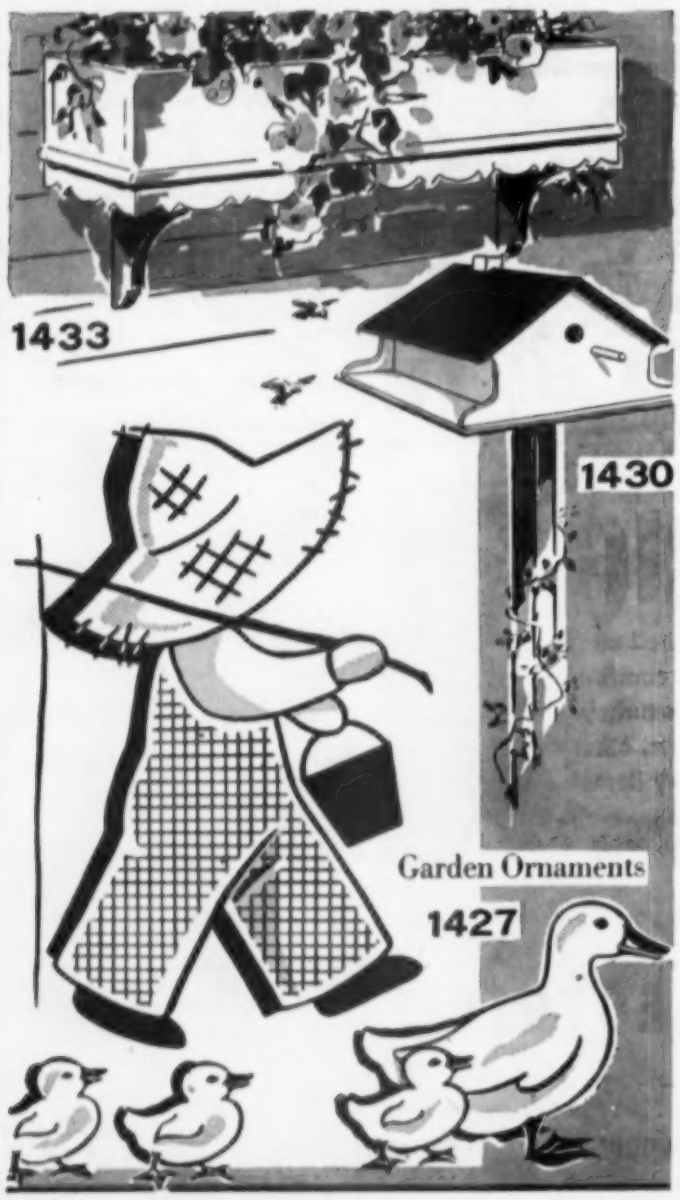
For Home and Garden



Patterns are 25 cents each, coin preferred. Order by number and address your letters to Pattern Department, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa.

Homemaking Helps

KEEP THE SOLEPLATE of your iron bright and free from stains and caked starch by running the warm iron over a piece of waxed paper occasionally. When the iron has cooled, the soleplate can be wiped off with a soapy cloth.

THE TRICK OF IRONING tucks flat and neat is to iron slowly and thoroly. If not perfectly dry, tucks have a tendency to pucker and become wavy. Start on the top of horizontal tucks, and work to the bottom one. Pull vertical tucks taut, and iron lengthwise.

WE ARE ALL FAMILIAR with cloves studding hams, but sometimes we forget that they are equally delicious when used with unsmoked meat. A roast of pork takes on new interest when cloves are starred as a seasoning.

BUTTER IS A STOREHOUSE of energy and vitamin A. One large pat of butter furnishes about 10 percent of the daily needs of vitamin A. Like all fats, butter furnishes high energy or fuel value.

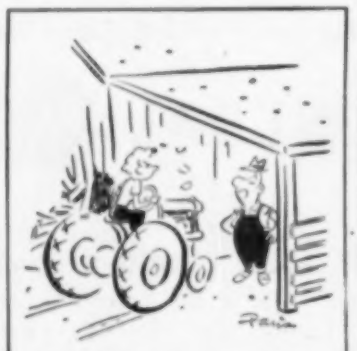
BEFORE YOU DECIDE to be good to children and let them ride on the tractor, ask yourself this question: "If my child wanted to play with a loaded gun, would I be good to him if I let him have his way?" The answer is no.

IF YOU USE BLEACH when washing, remember that any bleach chlorine may cause some white fabrics to turn yellow. Embossed cottons and some cottons with wrinkle resistant finishes may be affected this way.

ONE OF THE MOST recent man-made fibers—Arnel—is said to be machine washable at any temperature, quick drying and will require little or no ironing. You'll see it on the market in children's wear and in embossed and textured fabrics.

IF YOU NEED A temporary play pen for a child try this. Take a table; turn it upside down; wind a sheet around the legs.

EQUAL AMOUNTS of mayonnaise and cottage cheese make a tasty salad dressing.



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Chock full of inexpensive leathercraft supplies for beginners and advanced craftsmen. Perfect for class or individual leathercraft. Write to
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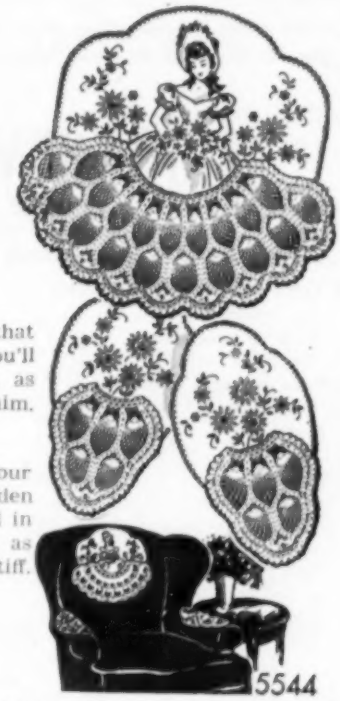
SEND WOOL to us for FINE BLANKETS. Free information.
West Texas Woolen Mills, 447 Main, Eldorado, Tex.

Slow Down and Live

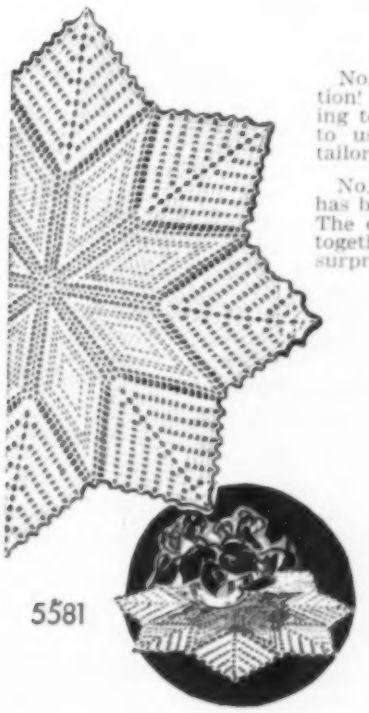
Fall Handwork

No. 2262. A lovely set of towels to add charm and beauty to the kitchen rack! Flowers are embroidered in simple stitches and blending colors.

No. 5594. A giant-size Teddy that your youngsters will adore! You'll have as much fun making him as your child will have playing with him.

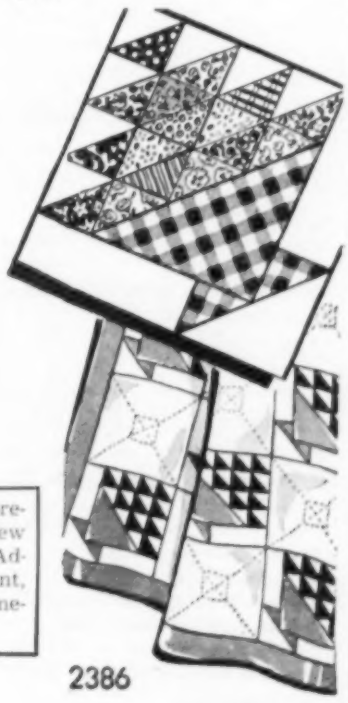


No. 5544. The "pretty touch" for your favorite chair! The demure maiden and flowers are easily embroidered in blending colors, and the skirt is as easily crocheted in pineapple motiff.



No. 5581. Add a "Star" to your collection! You'll find this centerpiece fascinating to crochet—and when finished, ideal to use in any setting because of its tailored-look.

No. 2386. A Flower-Basket Quilt that has been a prize winner for many years! The ease with which the pieces are set together to form the lovely blocks will surprise you.



Designs are 25 cents each (coin preferred). Order by number. New Needlework Album is 30 cents. Address orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Clarence Kouba, right, and son, Raymond

Mary Joan Kouba

"What would you do if you had a fire?"

Mrs. Clarence Kouba tells what they did when grass fires threatened their farm

"IF YOU'RE at all like me, and a grass fire started on your farm," says Mrs. Clarence Kouba, "you'd run—not walk—to the telephone and call for help!

"Actually, I can remember three grass fires that might have been really serious. Twice we called the fire department, and the other time we phoned neighbors.

"It's at times like that when we are **extra** glad we have our telephone.

"Of course, we use the phone a lot just to keep in touch with friends and to order such things as feed or machine parts.

"Raymond is now at Camp Chaffee, Arkansas — and one of the greatest pleasures we get from our phone is our frequent visits with him.

"And I'm glad there's a telephone at the school, because we can talk to our daughter, Mary Joan, when we need to — and we know her teacher can reach us."

On everyday jobs and in emergencies, too, the telephone is at work . . . helping farm families to easier, safer and more pleasant living. NORTHWESTERN BELL TELEPHONE COMPANY.

YOU, TOO, CAN WEAR THESE WINGS

Win your wings in the Ground Observer Corps. Volunteer to serve two hours a week as a civilian plane spotter. It's fun! It's interesting! And you'll be doing a vital job to keep your country safe from air attack.

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Give your family a "picnic indoors." Serve juicy, delicious meat from your Caloric Barbequer. The new Caloric Roto-Ray Barbequer saves you work, too. A special motor turns the spit slowly—barbeques meat evenly, automatically. And, the detachable spit lets you carry the meat right to the table.

TWO-OVEN CONVENIENCE

If you do a lot of baking, you may prefer a pastry oven in place of a barbequer. The 13" pastry oven for pies, cakes, rolls, etc. is available in the 36" or 40" models in addition to the regular full-size oven.

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24" range, 20" Harvest oven.

WHITE SANDS
36" range, 16" oven, plus choice of barbequer or pastry oven.

PALM SPRINGS
40" range, 20" oven, plus choice of barbequer or pastry oven.

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Installed in walls or kitchen cabinets for convenience and efficiency.

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NAME_____

ADDRESS_____

VACATION is about to end for twins, Jean and Janice, and their older sister, Donna. But school is fun, too. Parents are Mr. and Mrs. Bollhoefer, Marshall county, Iowa.

Cookery corner

Deep Dish Peach Pie

6 cups fresh peaches sliced
1 cup sugar
3 tablespoons flour
¼ teaspoon salt
Dash of ground cinnamon
2 tablespoons butter
Pastry

Peel and slice the peaches. Place in a 10x5x2 inch baking dish. Combine sugar, flour, salt and cinnamon. Sprinkle over peaches. Dot with butter. Cover with the following pastry:

Sift one cup flour together with one-half teaspoon salt into a mixing bowl. Add one-third cup fat, mix together until flour coated particles are as large as peas. Sprinkle three tablespoons of water over top and toss lightly. Turn out on a floured board. Mix lightly until dough holds together. Roll into rectangular shape and cover peach baking dish. Cut gash in top to allow for escape of steam. Bake 40 to 50 minutes in a moderate oven.

Fresh Pear Pickles

14 fresh, firm pears
Whole cloves
4 cups sugar
½ cup water
2 cups cider vinegar
4 sticks whole cinnamon
1 teaspoon whole celery seed
1 teaspoon allspice

Wash pears. Remove blossom end but leave stems attached. Leave small pears whole, halve or quarter the larger ones and core. Cover with clear water. Boil until almost tender (five to eight minutes). Drain. Save one-half cup liquid for syrup. Stick two or three cloves in each pear. Combine sugar, pear liquid, vinegar, cinnamon and celery seed. Tie whole allspice in a bag and add. Boil for five minutes. Drop enough pears at one time into the syrup to fill a jar. Cook until tender. Remove spice bag. Pack pears into sterilized jars—fill with boiling syrup. Seal at once. Yield two quarts.

Tuna-Cucumber Mold

1 envelope unflavored gelatin
½ cup cold water
¾ cup boiling water
¼ cup vinegar
2 tablespoons fresh or canned lemon juice
3 tablespoons granulated sugar
½ teaspoon salt
1 large cucumber

Sprinkle gelatin over cold water to soften, add boiling water, and stir until dissolved. Add vinegar, lemon juice, salt, sugar and a few drops of green food coloring if you wish. Refrigerate until consistency of unbeaten egg-white.

Lightly oil one-quart bowl. Wash and pare cucumber, flute surface with a fork, cut off 12 to 14 thin slices. Dice the rest of the cucumber. Arrange slices around the outer edge and bottom of the bowl. Fold diced cucumber into the gelatin, pour into bowl. Refrigerate until firm. Unmold on cold plate. Arrange tuna salad around mold.

Tuna Salad

1 can solid pack tuna
1 cup sliced celery
¼ cup sliced stuffed olives
1 teaspoon minced onion
½ cup mayonnaise
¼ cup French dressing
Salt and lemon juice to taste

Combine all ingredients, refrigerate, serve around the above cucumber mold — add tomato wedges if desired.

MRS. DUANE LARSON, Greene county, Iowa, puts up a good supply of pickles and relishes each fall. Helpers are her daughters Linda, three, and Laine, one and a half.

Pickles add zest to winter meals

End summer canning with a variety of tangy pickles

THERE'S no need to consult the calendar to know that fall is here. The pungent smell of vinegar and spices in farm kitchens indicates the season.

This is the time of year when you bring in baskets of cucumbers, tomatoes, onions, peppers, etc.

Families have favorite recipes that they make year after year. But if you are looking for different recipes, here are some you might care to try.

CRYSTAL PICKLES

1½ gal. green tomatoes
1 cup slacked lime
8 cups sugar
6 small cinnamon sticks
1 teaspoon nutmeg
1 teaspoon ginger
1½ tablespoons salt
8 cups vinegar

Wash, drain and cut small tomatoes into one-fourth inch slices. Dissolve lime in a gallon of cool water. Pour over tomatoes. Let stand 24 hours in a cool place. Rinse thru several changes of cool water. Drain. Add sugar, spices (tied loosely in a white cloth), salt and one cup water to vinegar. (Add more salt if wanted.) Boil three minutes. Let stand until cold. Add tomatoes. Boil until tomatoes are clear and syrup is thick. Pack hot into glass jars. Process in water bath for 10 minutes.

CUCUMBER CHUNKS

1 gal. cut cucumbers
1½ cups salt
9 cups vinegar
4 to 5 cups sugar
2 tablespoons mixed spices
1 tablespoon powdered alum

Wash, dry and cut cucumbers into one inch pieces before measuring. Put in stone jar or enameled kettle.

Dissolve salt in one gallon water and pour over cucumbers. Cover with a glass pie plate and weight down so that the plate is below the brine.

Let stand 36 hours. Drain. Pour four cups vinegar over cucumbers; add enough water to cover and simmer 10 minutes. Drain and discard the liquid. Add two cups sugar, spices (tied loosely in a white cloth), three cups water and three to five cups vinegar. Simmer 10 minutes. Pour over cucumbers. Let stand 24 hours. Drain syrup into kettle. Add remaining sugar and alum. Heat to boiling and pour over cucumbers. Let stand 24 hours. Pack pickles into hot glass jars.

Heat syrup to boiling and pour over pickles. Seal at once.

BEET PICKLES

1 gal. small beets
2 cups sugar
1½ teaspoons salt
2 sticks cinnamon
1 tablespoon allspice
3½ cups vinegar

Wash and drain the beets, cover with boiling water and cook until tender. Remove the skin, stem and root ends. Add sugar, salt, spices and 1½ cups water to vinegar. Simmer 15 minutes. Pack beets into hot glass jars. Heat liquid to boiling and pour over beets. Process 30 minutes in a boiling water bath.

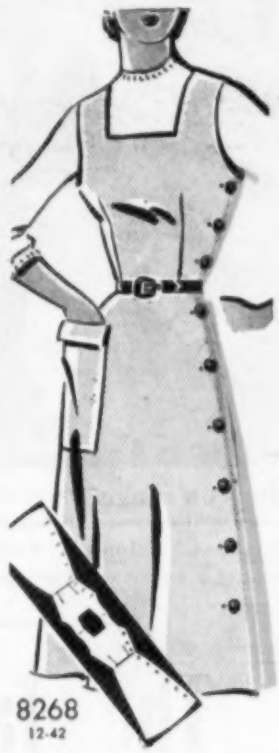
PEPPER RELISH

12 sweet red peppers
12 sweet green peppers
1 pod hot peper
6 medium sized onions
1 cup sugar
1 tablespoon salt
1 tablespoon mixed spices
2 cups vinegar

Wash vegetables, remove seeds from peppers, peel onions. Chop all vegetables. Cover with boiling water and let stand five minutes. Drain. Cover again with boiling water. Let stand 10 minutes and drain. Add sugar, salt, spices (tied in a white cloth) to vinegar. Simmer 15 minutes. Add vegetables, simmer 10 minutes. Bring to a hard boil, pour boiling hot into hot glass jars.

Fall Sewing

No. 8268. A simple to sew jumper that's so practical. Wear with blouses or sweaters. Sizes 12, 14, 16, 18, 20; 40, 42. Size 14, 3⅝ yards of 35-inch.



No. 8302. New, slim-lined frock to flatter a young figure. Buttons finish collar and cuffs. Sizes 10, 12, 14, 16, 18, 20. Size 12, 3⅜ yards of 35-inch; ⅝ yard contrast.

No. 8304. If you wear a larger size—this lovely yoked frock is designed just for you. Sizes 36 to 52. Size 38, short sleeve, 4⅝ yards of 35-inch.

No. 8308. Two harmonizing fabrics team up nicely for this attractive classic. Sizes 12½ to 26½. Size 14½, 3¾ yards of 35-inch; ⅞ yard contrast.

No. 1439. A full circle skirt. Blouse included. Sizes 6 to 14 years. Size 8, jumper, 2½ yards of 35-inch; blouse, 1⅛ yards.

Patterns are 30 cents each. Coin preferred. New Fall and Winter Fashion Book is now ready. Orders to Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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You get so much extra safety when you insure with your County Mutual. In Iowa, the combined assets of the County Mutuals are more than 14 million dollars, exclusive of reinsured reserves. In addition, your County Mutual is REINSURED, so that the combined strength of all stands back of each and every member.

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Happy Is The Day When Backache Goes Away . . . .

Nagging backache, headache, or muscular aches and pains may come on with over-exertion, emotional upsets or day to day stress and strain. And folks who eat and drink unwisely sometimes suffer mild bladder irritation . . . with that restless, uncomfortable feeling.

If you are miserable and worn out because of these discomforts, Doan's Pills often help by their pain relieving action, by their soothing effect to ease bladder irritation, and by their mild diuretic action through the kidneys—tending to increase the output of the 15 miles of kidney tubes.

So if nagging backache makes you feel dragged-out, miserable... with restless, sleepless nights... don't wait...try Doan's Pills...get the same happy relief millions have enjoyed for over 60 years. Get Doan's Pills today!

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MASSEY-HARRIS 16-Foot COMBINE
For sale. Bought new late last fall.
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Pullets on range need plenty of water. Cool, fresh water helps more than anything else to keep pullets cool. Automatic waterers save labor and assure the pullets of a constant water supply.

The farm flock

CHECK LAYERS for poultry lice and mites. These pests can slow growth and reduce egg production unless controlled. Earl Raun, Iowa State College entomologist, recommends spraying laying house with a one percent lindane spray—one part 20 percent lindane concentrate to 19 parts water—to kill both lice and mites. After the spray has dried, the chickens can be turned into the house.

▾ ▾ ▾

EXTERIOR QUALITY of eggs is important when selling eggs by grade. Stained or dirty eggs, thin shells, odd shape or checks or cracks can drop eggs into lower grades. The interior quality of these eggs may rate top grade, but if dirty, they are dropped into a lower grade.

▾ ▾ ▾

IF YOU are graded down on egg quality, ask the grader or buyer what's wrong. Take a good look at your eggs as you put them in the case. If eggs are dirty, clean them. If they are checked, find the reason. If it's interior quality, check your storage to see where quality is lost.

▾ ▾ ▾

EGGS MAY BE graded down unless you put them in the case with the small end down. If the large end is placed down in the case, the size of the air cell may increase, thus lowering the interior quality to a lower grade.

▾ ▾ ▾

THIS TIME of year eggs are of poorer quality when laid than earlier. So do all you can to keep the quality up. Gather eggs several times a day. This will prevent other hens setting on the eggs when they are on the nest. And eggs left in the nest may get dirty. Cool eggs overnight before casing them. Case eggs only in pre-cooled cases. Gather eggs in wire baskets, and fill baskets about half full. Too many eggs in one basket may crack eggs.

POULTRY PROFITS are the goal of Franz Appelman of Clermont. He makes those goals by feeding FELCO from his local Farmers Co-operative. Ask your neighbor about FELCO then get yours today. Available only at your Farmers Co-operative.

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What's more, cattle fed on feed ground in knife-type hammer mills mature quicker and at less cost than those fed on feed ground any other way.

This full circle dust collector is only one of a half dozen advantages you get with Viking. See Viking Mills and Elevators at your implement dealer's or write the address below without obligation. See Viking at the Fair.

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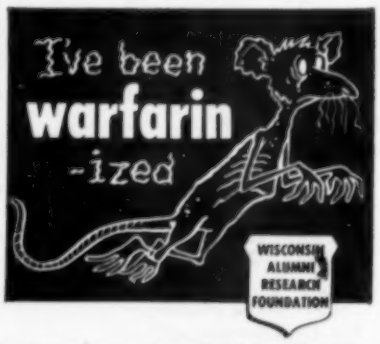

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BUSH HATCHERY CLINTON, MISSOURI

"Then we have the TWO-dozen size."

Save Thin-Shelled Eggs

Hens lay eggs with thin shells during hot summer months and near the end of their production year, says D. J. Bray, Illinois poultry specialist.

When you gather thin-shelled summer eggs, don't put more than 100 to 125 in one basket. Spread the eggs out evenly over the bottom of the basket so the ones in the middle can't roll over and crack other eggs.

Another way to protect thin-shelled summer eggs from breakage is to be sure the nests are filled with litter. If you have roll-away nests, gather eggs often to prevent new laid eggs from bumping other eggs when rolling to the front of the nest.

Altho increasing the amount of calcium in the ration won't prevent thin-shelled eggs, Bray says to provide plenty of oyster shell to keep the problem from getting worse.

Research indicates that cool laying houses mean stronger egg shells.

Ways To Keep Eggs Clean

A California report on labor used in producing and marketing eggs shows that half the time was involved in gathering, cleaning and packing the eggs.

Cleaning eggs took a lot of time, says J. H. Claybaugh, extension poultryman at Nebraska University. It would be easier to keep the eggs clean than to spend time cleaning them.

Here are Claybaughs' suggestions for keeping eggs clean:

1. Keep layers confined.
2. Keep litter dry at all times.
3. Insulate walls and ceiling of laying house to prevent moisture formation.
4. Ventilate laying house to remove excess moisture.
5. Add new litter and ground rock phosphate or ground limestone to built-up litter.
6. Avoid feeding methods that cause excessive water consumption.
7. Keep waterers on top of screened, covered platforms.
8. Provide one square foot nesting space for each four hens.
9. Keep nest well padded by frequently adding clean litter.
10. Avoid egg breakage by gathering often.
11. Prevent broody hens from sitting on nest.
12. Limit the number of eggs placed in each basket when gathering eggs.

Don't Chase those Pullets!

NO, NO — NEVER AGAIN! Don't battle chickens to get awkward worming capsules down reluctant throats! Forget about messy worming powders that have to be mixed with feed! There's a new, better, easier way to worm chickens of any age!

Just pour Gland-O-Lac's CHICK'N TEE in the drinking water . . . chickens worm themselves in a single day! No capsules, no powders, no special feeds, no work or worry for you! And the nicest thing is — CHICK'N TEE is tasteless, odorless, non-toxic, won't affect growth or egg production — not for a single day!

Worms stunt growth, waste feed, spread disease and cut egg production. Your pullets will start laying as much as one month earlier, if you get rid of worms! You can save up to one sack of laying feed out of every five you buy, if you get rid of worms!

Worm 'Em with Gland-O-Lac

Chick'n Tee

in the Drinking Water!

Yes . . . CHICK'N TEE makes it so easy there's no excuse for not worming every flock! CHICK'N TEE is amazingly effective against both round and cecal worms — in test after test at Alabama Polytechnic Institute, CHICK'N TEE removed from 97% to 100% of all roundworms. CHICK'N TEE is completely non-toxic, won't affect feed or water consumption. Hens keep right on laying when you worm them with CHICK'N TEE. See your hatchery or farm supply dealer for CHICK'N TEE today — but be sure you get the genuine, made only by the Gland-O-Lac Company, Omaha, Nebraska. Look for the bottle with the hen drinking tea on the label.

Gland-O-Lac

Chick'n Tee

Liquid Poultry Wormer

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NEW! "OTTAWA" 205
Jobmaster—costs less than many smaller elevators. Big and rugged . . . bales can be run right through feeder. Ideal for the farmer who has many elevating jobs. Like all "OTTAWA" elevators, the 205 has full 3 inch depth flights and sectionalized construction. Galvanized trough and feeder.

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Designed for heavy-duty work. Like all "OTTAWA" elevators, the 160 has safety derrick and windlass.

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Galvanized, sectional construction. Available with or without derrick and in 12, 16, 20 or 24 foot lengths. A real work saver around the farm.

an "OTTAWA" elevator plus this accessory equipment handles any elevating job now or in the future.

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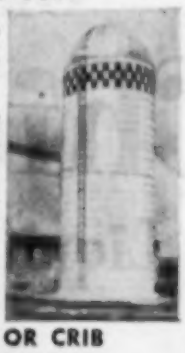

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EMIL HANSON & SONS SINCE 1916

Spraying laying house before moving pullets in from range are Eldon and Duane Larson of Greene county, Iowa. House will hold 200 pullets which were moved to laying house in August. Pullets were started in February.

When you move pullets . . .

. . . make sure they get a good start by moving them into a clean laying house

LATE summer and fall brings pullet housing time to Corn Belt farms. But there's a great deal more to housing your future layers than merely dragging squawking pullets to the laying house and throwing them inside.

Big job before housing your pullets is to clean and disinfect the laying house. First step is to get rid of the old hens, either at a market or by moving to another building. Never mix pullets and old hens.

Here is a four-step sanitation program that is recommended by Purdue University:

1. **Sweep up** and remove litter and droppings.
2. **Scrape roosts** and floor down to bare wood or concrete.
3. **Scrub** with hot lye water—one ounce of lye to each gallon of boiling water. The warmer the water, the more effective the results.
4. **Spray roosts,** ceiling, walls and floor with a disinfectant following the manufacturer's directions.

Next step after cleaning the laying house is to clean and disinfect nests, waterers and feeders.

Put new nest litter in the nests. Add floor litter. Start with six to eight inches crushed or whole cobs as litter. You can add more later to the deep litter system as needed.

The next step is to catch the pullets. This can be quite a chore if the pullets are roosting in trees and not in range shelters.

Pullets should be culled at housing. Some pullets have physical defects that will prevent them from laying. Other pullets may be sick, crippled or extra small. Such pullets should be removed from the flock before housing.

Being confined to a laying house is a new experience to a pullet. Pullets must make the adjustment from open range to laying house confinement.

Pullets probably will make the adjustment quicker if you change them to laying mash before housing. Some poultrymen cut range grass for the pullets to help them become adjusted to the new environment.

How many pullets will your laying house hold? Give the pullets plenty of floor space—three square feet per layer.

Overcrowding never pays and will often lead to cannibalism outbreaks or feather picking.

Debeaking pullets will eliminate cannibalism and feather picking. It won't interfere with eating and drinking.

Pullets need plenty of feeder space. Give all pullets a chance to eat. Timid pullets will starve rather than fight for a space at a feed trough.

Double the regular number of waterers if weather gets extremely hot. Extra water fountains are a good investment.

Pullets need hard, insoluble grit furnished free-choice after housing. Grit will grind grain in the craw and make it more digestible.

Pullets need oyster shell or ground limestone to build strong egg shells.

Furnish one nest for each four pullets or one square foot of community or roll-away nest for each four or five pullets. Eggs will be laid on the floor unless pullets have plenty of nests.

Provide ten inches of roost space per pullet on roosts that are one foot apart. Roosts over dropping pits work best.

Which feeding program is best for your flock? If the feeding system you've been using has given good results, stick with it. If not, change to a different feed or method of feeding.

Rural Route Ramblings

By R. F. D.

IT IS AMAZING how much advice one receives when painting one's house but never any offers of actual labor. A neighbor of mine who is called, among other things, Evvie, told me my house was certainly going to look nice. "If you ever get it done," he added. "I wish you would speed it up, you're making a nervous wreck out of me wondering when, if ever, you are going to finish." I told him I had another brush—never saw a man recover from a nervous attack so quickly.

I SHOULDN'T have mentioned picnics in the last column. No sooner had my wife finished reading it and I had released her arm which I was twisting, than she remembered we were going on a steak fry. So, along with five other outdoor lovers, we went.

NOW THE STEAKS were beauties before they were cooked. Our chef had a charcoal burner and after he had singed a couple of them a while ran a fork thru them. "Look at that!" he said in an awed whisper. "Humph!" humphed his wife. "You can do that when they are raw."

ANYWAY HE HAD all the steaks on fire several times and assumed they were done. By this time it was quite dark and you couldn't see what you were eating which helped. I attacked my frontally, from the rear and by flank and was repulsed each time. So I gave it to a dog who happened to be passing by.

AND THE CORN! Roasting corn on the cob (in the shucks) in a fireplace is my specialty so I was in charge of this. I roasted and turned and suffered like mad. Result? Whoever had picked the corn had evidently culled over several hundred ears to find three dozen which averaged about four kernels per cob.

SO WE HAD half raw steaks and roast cob (in the shucks)! Also a salad or so. I never knew what kind because, as I said before, it was dark.

ON THE WAY home my wife said, "I always say there's nothing like eating outdoors away from home."

NOW I ALWAYS SAY that too—and thankfully. There is absolutely NOTHING like it!

"You dropped your hanky."

New 5-Step Program Helps You

Cut Your Feed Costs!

46 gilts and 26 sows farrowed 792 live pigs last May under practical farm conditions at the Wayne Research Farm. That's an average of 11 pigs per litter. Average weight per pig—3.03 pounds.*

**(national average—6.9 pigs per litter).*

New Wayne Hog Feeding Program Gives Low-Cost, High-Speed Gains

There are five definite stages in the growth of pigs and getting them to market. Supplying the exact nutritional needs in each stage gives faster gains . . . cuts total feed costs. Feeding studies on more than 4,000 pigs at the Wayne Research Farm helped Wayne to develop a completely new 5-step low-cost, high-speed hog feeding program—built to give you these benefits . . .

1.

for **Bigger, Stronger Litters . . .** feed **Wayne Brood Sow Supplement.** Proved to be a real pig-maker at the Wayne Research Farm. Supplies the vitamins, minerals, and proteins lacking in farm grains but needed by sows during gestation and nursing.

2.

for **Pre-Starting Baby Pigs . . .** feed **Wayne Tail Curler Rockets.** Powerful, sugar-sweet pellets start baby pigs *fast as a rocket.* In feeding tests, Rocket fed pigs were over 10% heavier at weaning time than pigs that did not get Rockets.

3.

for **Heavier Pigs at Weaning . . .** feed **Wayne Tail Curler**—an improved, *more* palatable Tail Curler that speeds pigs on to heavier weaning weights even faster than ever before. Highly fortified. Contains amazing growth stimulating powers.

4.

for **Growing Shoats** at Lower Cost ...feed **Wayne Pig Balancer.** A new specially fortified supplement for 50 to 100 lb. pigs. Grows pigs and shoats rapidly and economically. Properly balances farm grains to produce *fast, low-cost* gains.

5.

for **Earlier Marketing . . .** feed **Wayne Hog Balancer**—a powerful supplement specially blended for hogs over 100 lbs. Supplies nutrients lacking in farm grains at low-cost. Promotes faster gains—earlier marketing.

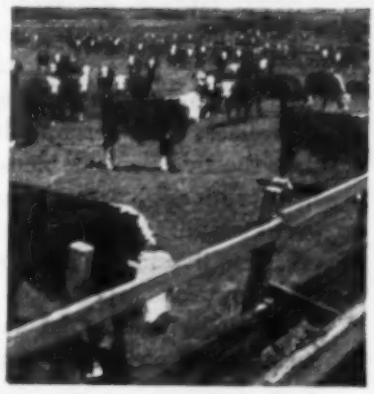
Special Feeds for Special Needs

Wayne Hog Worming Mixture: Over 95% effective for removing large roundworms in Wayne tests. Easy to feed. Gives pigs an extra nutritional boost—helps keep them gaining and on-feed without set-back.

Wayne H-A-D Krums: When enteritis or scours indicate the need for a High-Antibiotic Diet, feed WAYNE H-A-D Krums for 3 to 5 days.

See your Wayne Feed Dealer today for

Whatever Your Cattle Feeding Set-Up



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Heavy Grain Feeding: Feed *Wayne Sweet Mix** . . . for maximum gains and high finish.

Good Quality Roughage: Feed *Wayne Beef Balancer.** An economical blend of proteins, including urea, for fattening cattle.

High Molasses Intake: Feed *Wayne Sugarine "22" Beefmaker.** Feed anytime a high molasses, medium protein supplement is needed. Mineral fortified.

High Roughage Rations: Feed *Wayne Roughage Supplement "A".* Ideal for use on poor quality roughages. Fits into wintering rations.

**Available with STILBESTROL, the amazing hormone-like ingredient that . . . in practical feed-lot tests at the Wayne Research Farm increased gains as much as 34% . . . cut costs of gains as much as 22%.*

Let's find out . . . WHAT'S REALLY WRONG!

Last year we lost half our hog crop on a bad guess. Now we're up against the same situation again . . . hogs off feed and seem to be getting worse.

But this year we're taking no chances again on guesswork diagnosis and home treatment. We're calling a veterinarian to find out what's wrong. Once he has looked over the sick animals and made his tests, he can tell us what is *really* causing the trouble. And he can then back up his expert diagnosis with a proven, practical course of control and treatment that can help us save more pigs.

It's the difference between the expert knowledge of the veterinarian that actually saves pigs . . . and our own amateur guess-work which proved so costly last year. The modest amount we invest in a veterinarian's diagnosis is the best money we spend . . . every time.

This message published in the public interest by the American Foundation for Animal Health

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and get championship performance from that old or new picker of yours. Thousands of farmers each year are switching to these efficient, low priced, easily-installed rollers.

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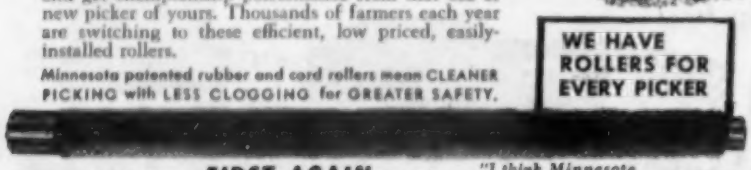

1953 1954

FIRST AGAIN For the second straight year the National Corn Picking Contest was won by a machine equipped with Minnesota Husking and Snapping Rollers.

"I think Minnesota Snapping and Husking Rollers are a wonderful asset to any picker," says champion Elmo Redding of Flora, Indiana.

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Universal Transmix® transports, mixes, and hydraulically dumps cement, stock feed, silage, water, and dirt. Mixes one bag of cement 3 to 1. Can be attached or removed in 15 minutes. Barrel revolves on rubber wheels. Silent operation—no gears or chains to wear out. PTO driven.

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CARDINAL ELEVATORS are without equal in top quality and serviceable features at economy prices you can afford. Handle your corn harvest with a Cardinal and use it for all other crops. Write LML ENGINEERING & MFG. CORP., COLUMBIA CITY, INDIANA, for name of nearest dealer. You get your money's worth with a Cardinal.

SAVE MONEY ON KNIVES

Field Harvesters and Silo Fillers $4.50 each — John Deere, Case, Skyline, McCormick, Papec, New Holland. Most baler knives $5.50 each. Highest quality. Money back guarantee. Postpaid. C.O.D. add $1.

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Save On Tractor Parts!

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CENTRAL TRACTOR PARTS CO.
DES MOINES, IOWA, or HASTINGS, NEBR.

Benson's man says this:

Present prices "May be somewhere near normal for modern day periods . . ."

Following are extracts from a speech made August 12 by Don Paarlberg, Assistant to the Secretary of Agriculture, at the Worcester County Farmers Field Day, West Millbury, Mass.

"NET FARM income is down close to 30 percent since the immediate post war years, it is true. But let us remember that the war and post war years were the best ones farmers ever had.

"These were years when our markets reflected the food needs of war-ravaged Europe. These were years when automobiles and housing and television sets did not offer as much competition for the consumer's dollar as at present.

"It was before farmers' costs, such as freight rates and the price of machinery, reflected the full impact of inflation. They were years of good yields, high prices, and low costs, an unusual combination that never occurred previously, to a like degree, and may never occur again." . . .

"This was a dream world, and no one expected it to last. Congress did not expect it to last; legislation was passed to cushion the shock of readustment." . . .

"Farmers did not expect it to last; they were conservative about land values. They avoided speculation. They paid off debts and accumulated savings.

"The point I am making is that the war and post war years were not normal years. They were the best years we ever had.

"Few things look good when compared with the best you ever had." . . .

"While our realized net farm income was declining from 1947 to 1954 by nearly 30 percent, our farm population was falling off about 20 percent. Thus the decline in farm income on a **per person** basis is far less than the decline commonly quoted.

"Furthermore, with passing time, farmers are adding more and more dollars to their income from non-farm sources. This is another form of diversification.

"Income from off-farm employment, income from investments and like sources now make up 30 percent of the total incomes received by farmers."

"If account is taken of the income that farm people receive from non-farm sources, the per capita income of farm people from all sources actually increased 16 percent during the past seven years."

". . . If we take the last 35 years and eliminate the periods of war time inflation and of severe depression, we find the relationship of farm prices received to prices paid slightly more favorable than relationships now prevailing.

"The ratio of prices received to prices paid is now 84, with 1910-14 considered as 100. The ratio during the prosperous peace-time years of the past was about 90. We are now not much under the historical experience for high employment periods. Our heavy supplies explain much of this difference." . . .

"Present price relationships for agriculture are about midway between the post war boom and the depression of the thirties. They certainly are not as favorable as farmers and the Department of Agriculture would like to have them. But neither are they as disastrous as painted by some. There is evidence that they may be somewhere near normal for modern day periods of peace-time full employment." . . .

We Say "No" To This Notion

ABOVE is a statement by one of Secretary Benson's associates. Wallaces' Farmer and Iowa Homestead says "No" to the notion that farmers should be satisfied with 84 percent of parity.

What farmers will resent most is the fact that the Benson crowd keeps defending the present slump in farm product prices without trying to think about what needs to be done to avoid a further drop.

Wallaces' Farmer and Iowa Homestead points out that the five percent increase in livestock production next winter, plus the possible 10 percent increase in grain supplies per animal unit, means a continuing increase in livestock and a continuing downward pressure on farm product prices.

We urge again that farmers sell hogs at lighter weights and push sales campaigns. And that the nation expand school lunches, revive food stamps and support livestock prices by production payments.

Winners at All-Iowa

W. C. Anderson and Son, West Liberty, Iowa, showed both grand champions in the Shorthorn show at the All-Iowa Fair at Cedar Rapids.

C. E. Stewart and Sons, Rose Hill, had the senior champion bull with Penningroth Bros., showing reserve senior and reserve junior champs. Reserve grand champion female was shown by F. Rothlisberger and Son, Elgin.

Other winners included the following:

HEREFORD—Champion bull, Hillandale Farms, Muscatine; reserve, H.N.P., Small and Sons, Letts. Champion female, Krug Brothers, Atkins; reserve, James S. Smith and Son, Stanwood.

ANGUS—Champion bull, Pagemere-Arlavon Farms, Clarinda; reserve, Eiltonier Angus Farm, Tipton. Champion female, Pagemere-Arlavon; reserve, LaDor Farms, Scranton.

Other Angus winners included Kentridge Farms, Muscatine; Sunset Knoll farm, Ames, and Spring Valley Farm, Bayard.

TAMWORTH—Champion boar, Frank Madera, Traer. Champion sow, J. H. Jones, Ainsworth.

DUROC—Champion boar, Gerald Nevins, Tipton. Champion sow, Kay Barnts, Central City.

CHESTER WHITE — Champion boar, Henry Jurgensen, Olin. Champion sow, Ed Harms and Son, Amber.

BERKSHIRE—Champion boar and sow, Milo Wolrab, Mt. Vernon.

POLAND CHINA — Champion boar, Brown and Brown, Hampton. Champion sow, Helgens Brothers, Monticello.

HAMPSHIRE — Champion boar, Andy Siefker, Mt. Vernon. Champion sow, Winfeldt and Hogan, Durant.

YORKSHIRE—Champion boar, Owen Olson and Robert Orcutt, Newhall. Champion sow, L. M. Peters, Marion.

HEREFORD—Champion boar, Monroe Yoder and Son, Kalona. Sow, John C. Schulte, Norway.

HOLSTEIN—Champion bull, Joe Filhr, Boyden, and Spies and Lein, Graettinger. Champion cow, I. P. Stewart, Maynard.

BROWN SWISS — Champion bull, Ralph Bright, Eldora. Cow, Clyde Monson and Son, Gowrie.

GUERNSEY — Champion bull, Clarence Harper, Muscatine. Champion cow, Alvin Hitz and Son, Polk City.

JERSEY—Champion bull, Earl Lyon and Sons, Toledo. Cow, E. S. Baughman, Bloomfield.

AYRSHIRE — Champion bull, Donald Roose, Allison. Cow, Howie Lang and Sons, Brooklyn.

MILKING SHORTHORN—Champion bull, Mysha Farms, St. Anthony. Champion cow, Broadview Farms, Oskaloosa.

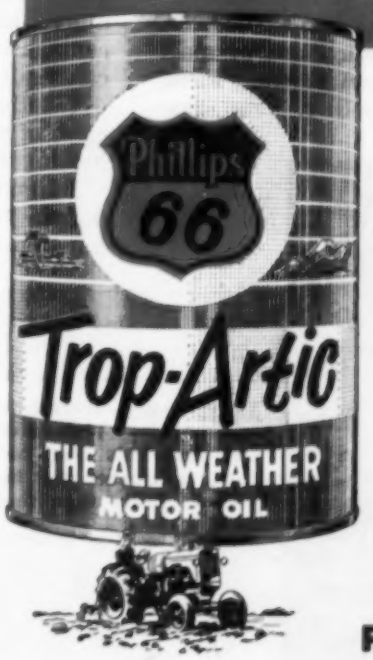
Champion fat steer of the All-Iowa Fair was an Angus shown by Rodney Brannen of Muscatine. Reserve went to a Hereford shown by Gary Minish of Dysart.

A Duroc was the top market pig at the All-Iowa show. He was owned by John Hughes of Iowa City. Reserve champion was a Hampshire exhibited by Dallas Kaestner, Newhall.

Take advantage of the big savings on oils and greases offered you by the

PHILLIPS 66

ADVANCE ORDER PLAN



September is your last chance to save money this easy way. Place an order for your Phillips 66 Motor Oils, Gear Oils and Greases during September, and set a delivery date before May 31, 1956. By making a single delivery, we save time, trouble and handling expenses. And these savings are passed on to you in the form of *lower prices*. So act now and save money.

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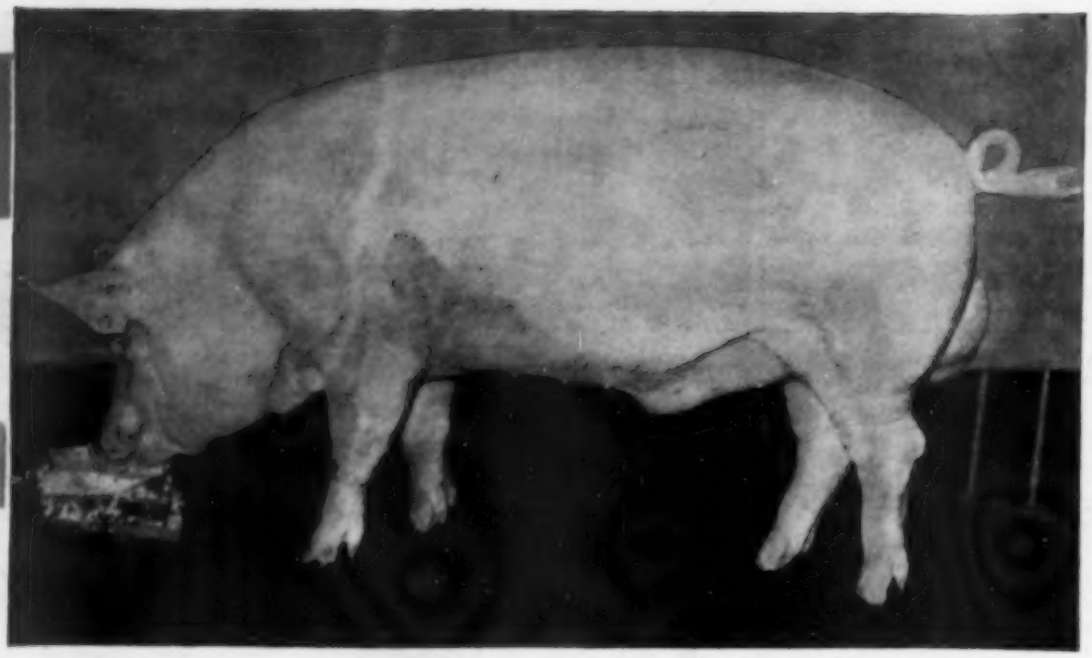


Meat type boar shown here was state fair champion. He shows length, trimness and muscling needed to produce meat type offspring. Look for this kind when you go shopping for a boar.

Buy a meat type boar

CHOOSING a meat type boar is no simple job.

Yet, it is important in producing meat type hogs. So be prepared to give the matter both time and study.

Just looking at a boar isn't enough. Limited feeding can make a boar look meat type. But it won't carry over into his pigs.

"Look for a boar that weighs at least 200 pounds at six months," says Ralph Durham, Iowa State College swine specialist. "An oats and alfalfa ration can make a boar look leaner. But weight for age can show up any sharp limit in feeding."

"Pick a boar that is leaner than you want his offspring to be," advises Durham. "Barrows will be about 25 percent fatter than their boar brothers."

Wesley J. Shafer of Jefferson county, Iowa, is looking for a purebred boar that will carry his herd farther in meat type direction.

"I'm going to look for more than meat type advertising. I want to see the whole herd before I buy," he declares. "If the herd shows meat type my chances of getting a real meat type boar are better."

"I'll want to know how boar has been fed, too. That can make a real difference in how meaty boars look," he adds.

J. F. Lasley, University of Missouri swine specialist, agrees.

"We have to pay more attention to sire, dam and other offspring. If related animals show meat type, boar has a better chance of siring meat type offspring," he points out.

"Meat type is not a long, rangy, half-starved individual," says Lasley. "Long body and smooth fleshing indicate the heavy muscling that is real meat type."

"Backfat probes are useful in finding meat type. But they can be misleading if animal has not been full fed. Or if probes are not taken properly," he adds.

Stan Terrill of University of Illinois says, "Live backfat measures mean more if most animals in the herd have been probed at 200 pounds after a full feeding program."

Then he goes on: "Body length is closely related to high carcass value. Look for a long body. And a gentle slope from midline to loin edge as hog is viewed from rear. 'Flat topped' hogs tend to have thick backfat."

"Be sure to consider feeding and management differences if you are comparing boars from different herds," he adds.

There are other indications of meat type, too. A trim jowl is one. Firm, smooth shoulder is another. Trim, firm middle without creases also indicates heavy muscling. Meat type hogs need a deep, plump ham, too.

Carroll Plager, packing company representative sums it up this way: "You have to add up a lot of factors. Like a coach sizing up a prospective athlete."

L. M. Winters of University of Minnesota says, "It is almost impossible to do a really good job of picking a meat type boar on the basis of conformation alone."

"But we can select boars of good meat type on basis of breeding if we take inbred strains where type is pretty well set. Boars of these strains regularly produce meat type offspring," he goes on.

Don't expect miracles from a meat type boar. A gilt and sow selection has to go along with any meat type program.

Gene Ferguson of Mahaska county, Iowa, has been working on meat type hogs for about four years.

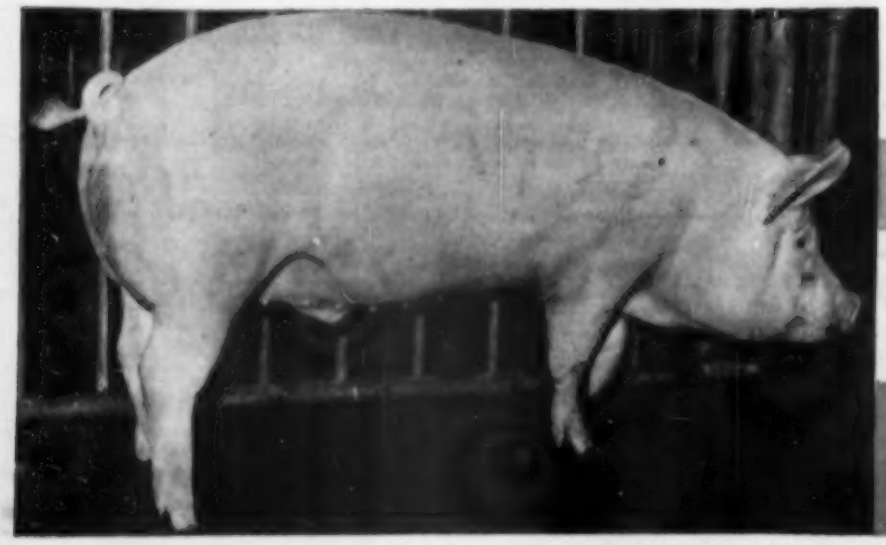
He says, "I'm so choosy I had a hard time picking 60 gilts out of my 295 pigs."

Then he adds, "A boar is still half the herd. So be prepared to pay a premium for meat type. You can spread the extra cost over a lot of pigs. Buying an ordinary boar at a community sale is just fooling yourself."

"Pick a boar to fit the sows you have. Maybe you need to start with Landrace, Yorkshire or Tamworth. Or a cross of inbred lines that contains a high percentage of one of these. One of these can really lengthen your pigs."

Whether you want a purebred or a cross of mixed inbred lines, you are still looking for the same characteristics.

Unfortunately, meat type boars are scarce. So count on doing a lot of looking to find the one you want.



Meat type barrow was also state fair champion. Note trimness of underline and jowl. This kind has high percent of lean cuts. Remember that barrows will run about 25 percent fatter than their boar brothers.

List North Iowa Fair Winners

Exhibitors of prize-winning beef cattle and swine in open class competition at the North Iowa Fair in Mason City are listed:

ANGUS—Champion and reserve bulls, Sunset Knoll Farms, Ames; champion female, Timbertop Angus Farm, Rippey; reserve female, Addis Greiman and Sons, Garner.

Other winning Angus exhibitors included Charles Showalter, Sheffield; Billy Martin, McIntire, and Hullinger Acres, Manly.

HEREFORD — Champion bull, Marzen Herefords, Marble Rock; reserve bull, Joe Duea and Sons, Thornton; champion female, Clampitt Hereford Farms, New Providence; reserve female, G. E. Punke and Sons, Clear Lake.

Other winning Hereford exhibitors included Glee Wagner Herefords, Hampton, and McArthur Farms, Mason City.

SHORTHORN—Champion bull, Rothlisberger, Elgin; reserve bull, Wayne Greiman, Garner; champion and reserve females, Rothlisberger.

Other winning Shorthorn exhibitors included William Wiebke and Son, Greene; Walter Eno and Son, Sheffield, and R. L. Reece, New Providence.

Open class swine winners were as follows:

DUROC—Champion boar and champion sow, Henry Krull, Buffalo Center. Other winning exhibitors included Lyle L. Barkema, Goodell; Glenn and Donald Dadisman, Manly; Fred Ginapp and Sons, Dougherty, and Younge Brothers, Thompson.

BERKSHIRE—Champion boar and champion female, Golden Glow Farms, Ionia. Other winning exhibitors included Marilyn Welter, Ionia; Cletus Stalzer, Britt; Mrs. Roy Hackbart, Osage, and LaVonne Welter, Ionia.

CHESTER WHITE — Champion boar, Glen Rinehart, Britt; champion female, Donald Rinehart, Britt.

POLAND CHINA — Champion boar, Milton Charlson and Son, Lake Mills; champion female, Robert Freie, Alexander. Other winning exhibitors included Roger Vanderploeg, Britt; William Wiebke, Greene; Everett Hughes, McIntire, and Leon Pralle, Latimer.

HAMPSHIRE—Champion boar and champion female, Lightbody Brothers, Thornton. Other exhibitors included Jerry Lee, Manly, and Jerry Schulz, Sheffield.

SPOTTED POLAND — Champion boar, Fred Ginapp and Sons, Dougherty; champion female, Lloyd Humphrey and Son, Clear Lake. Other winning exhibitors: Donald Engh, Kanawha; Roy Hackbart, Osage; Don Byington, Plymouth; Melvin Kobernusz and Sons, Manly, and Alroy Krull, Buffalo Center.

YORKSHIRE—Champion boar, Raymond Cheever, Jr., Chapin; champion female, Judy Cheever, Chapin. Other winning exhibitors included Eldean Borg, Forest City, and M. J. Kerston, Northwood.

All exhibitors listed above were from Iowa.

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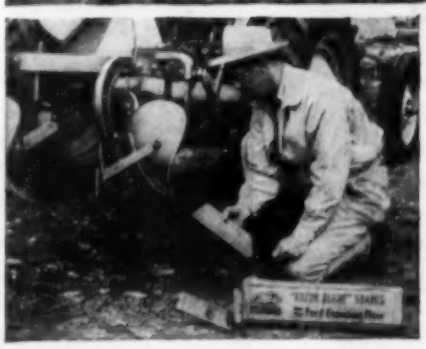

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All Ford Economy Plows have "Razor Blade" shares. They are priced so low that you can replace them for far less than the cost of resharpening. You can save $10 to $30 per 100 acres plowed—also avoid the bother of having shares sharpened at a blacksmith shop. With sharp "Razor Blade" shares, the plow stays in the ground better and you can plow faster on less fuel.

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So try a Ford Tractor of your choice. They are now available in 2-plow and 3-plow sizes, both tricycle and 4-wheel models. And, there is a full line of Ford Economy Plows to put Ford Tractor power to best use. Look them over at your Ford Tractor and Implement Dealer's. Tractor and Implement Division, Ford Motor Company, Birmingham, Mich.

Ford Farming

GETS MORE DONE...AT LOWER COST

Rangy cattle? No, just a herd of deer feeding on the Broers farm in Cerro Gordo county, Iowa. Broers has three kinds of deer—American white tailed, Australian and Japanese.

Animal zoo on Iowa farm

B. W. H. BROERS who lives six and a half miles southwest of Mason City farms 360 acres. At first glance, the Broers farm looks like many other prosperous farms in Iowa. But a second glance shows rows of neat cages in the back yard on the edge of an alfalfa field. Each cage contains sleek, well-fed wild animals not usually found on Iowa farms. There are many different looking fowls too.

The Broers farm is known locally as the "deer farm." Broers started out several years ago with a few. Now he has a herd of 40. More recently he has been adding animals to his collection and what started out to be a hobby has turned into a full-fledged zoo.

Beside the deer, the elk and bison, Broers has a lion, leopard, some monkeys, a cougar, the Australian wallaroo, wild pigs and a lot of other interesting animals. There are beautiful peacocks, a flamingo from Florida, and a few emus that look like ostriches.

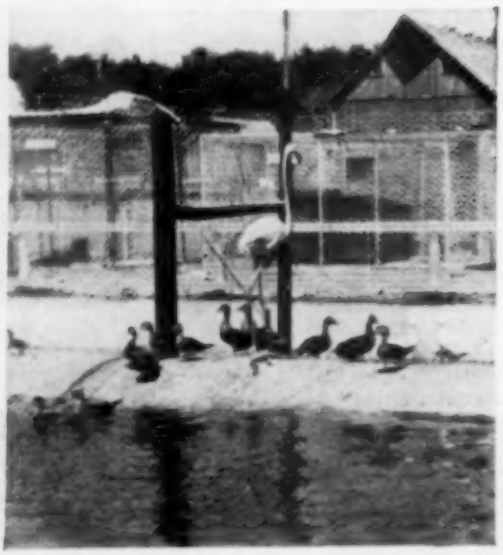
Because the hobby was an expensive project, Broers has opened it to the public this summer and charges a small admission fee. He plans to add more animals as time goes on.

Looks and acts like a friendly dog, but it's really an African lion cub. B. W. H. Broers raises livestock on his farm, but he also raises wild animals.

This leopard doesn't mind living on an Iowa farm. His coat is sleek, and he looks well fed.

Strange birds that look like ostriches are a part of the Broers zoo. Emus come from Australia and lay large purple eggs.

This gentle looking animal is called a guanaco. It comes from South America and is related to the llama. It doesn't look out of place on an Iowa farm.



Beautiful pink flamingo doesn't seem to mind sharing a concrete wading pool on the Broers farm with ducks and other water fowls.

Iowa M.D.'s Say . . .

Two kinds of Arthritis

THE TERM arthritis may be applied to practically all inflammatory diseases of the joints. However, it is usually used with reference to the two most common forms—rheumatoid arthritis and osteoarthritis.

One of the serious economic features of rheumatic disease is its great frequency among young adults. In one health survey it showed that half of the patients were under 45 years.

The cause of rheumatoid arthritis remains unknown. It may develop suddenly as an acute inflammatory condition involving two or more joints. On the other hand, it may come on slowly with migratory aching and stiffness of the small joints. There may also be vague aches, chilliness, rapid heart beat, and mild sweats.

The symptoms and signs may be divided into the following stages: (1) early, (2) moderately advanced, (3) advanced, (4) terminal. Knowing what stage the disease is in helps the doctor in determining the results of treatment, what drugs to use, and how the disease will progress.

The aims of treatment are to prevent deformity and relieve pain. Treatment includes bed rest, diet, drugs for pain, heat, massage, orthopedic aids, and surgery. Sometimes, such drugs as Butazolodin, Cortisone, and Meticorten are indicated. A period of weeks or months may be required for treatment.

Osteoarthritis is primarily a disease which occurs during or after middle life. It is actually an aging process in which there is a deterioration and erosion of the cartilage in the joints.

The weight bearing joints such as knees, hips, lower spine and the joints at the end of the fingers are usually involved. Enlargement and distortion of the joints is quite common.

The symptoms develop gradually. There is a stiffness in the joints which is especially noticeable after rest or on arising in the morning. This stiffness improves with movement. Too much activity causes soreness or pain which is relieved by rest. Late symptoms are limited motion and marked disability in the hips and knees.

Treatment for osteoarthritis includes rest, eliminating occupational strains, correcting postural defects, weight reduction for those patients who are overweight, heat and massage, and drugs for relief of pain. Such patients should also avoid exposure to cold and dampness.

There is no magic cure for arthritis, but the family physician is well qualified to handle both forms of the disease. Long range planning is often required in order to cope with the financial and other burdens of the disease.

Articles in this series are prepared by members of the Health Education Committee of the Iowa State Medical Society.

How to repair your farm buildings easily and inexpensively

A few hours' time and a little "know how" are all you need to give your valuable livestock and machinery the protection they need. Here's the practical Strongbarn way to restore neglected, weatherworn farm and ranch buildings to full usefulness *at remarkably little cost!*

1. REMOVE DAMAGED COVERING . . . including all sections of roofing and siding that are cracked, rotted, warped or broken. Use care to avoid damaging useful covering when removing damaged sections. Next, check the building framework for soundness. Replace rafters, runners, studding and beams, as necessary, to give building maximum structural strength and provide an adequate anchoring for the new covering.

2. APPLY NEW ROOFING. For best results, use Strongbarn galvanized corrugated steel roofing. Strongbarn won't dent, buckle or bend under heaviest loads, is 56% stronger than conventional materials, yet costs no more. Start applying Strongbarn at end of building away from prevailing wind. Side lap sheets 1½ corrugations. End lap 8 in. for 4-in. rise per foot, 6 in. for 5-in. or more rise per foot.

3. APPLY NEW SIDING. Strongbarn galvanized corrugated steel siding is 21 lbs. per square lighter than sheets of comparable strength, puts less strain on building framework. Start applying Strongbarn at corner away from prevailing wind. Side lap 1½ corrugations on 1¼-in. corrugated Strongbarn . . . 1 corrugation on 2½-in. corrugated Strongbarn. End lap about 4 in. Finish all exposed edges down.

4. NAIL PROPERLY TO COMPLETE JOB. Corrugations should run exactly vertical. To seal out water, help prevent rust and leakage, use galvanized steel ring-shank or screw-shank nails with lead heads or washers. Nail roofing on "top" of corrugations or slightly "off center." Nail siding in "bottom" of corrugations. Do not flatten corrugations when hammering. Space side-lap nails every strip sheath . . . end-lap nails every 4 to 6 in.

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Tips For September

Here are some timely suggestions from Francis A. Kutish, Iowa State College farm economist:

HOGS bothered with the heat? A Clinton county, Iowa, farmer rigged up a lawn sprinkler on top of a post in his hog yard. He turns it on several times a day. The hogs gather around for a shower bath.

▼ ▼ ▼

SEPTEMBER is the time to fill up old mud holes around buildings. Build temporary storage for corn out on the fields where hogs will pasture next year. Repair corn picking equipment. Get ready for bean combining.

▼ ▼ ▼

CASH CORN PRICE is likely to be well below loan level this fall. If you can seal, consider buying some corn to replace your homegrown corn for feeding. It should pay.

▼ ▼ ▼

HAVE A FEED bin in your laying house to keep down chorring steps. Saves a lot of time for Mom. Several of the Iowa State College Agricultural Foundation farms have this arrangement.

▼ ▼ ▼

WATER piped into the laying house also is a help. Hens lay better with a constant supply of fresh water, too, says K. E. Lehman, Dallas county, Iowa.

▼ ▼ ▼

RUN SHORT of water this summer? How about planning now for a farm pond. The water reserve is helpful, too, in case of a fire.

▼ ▼ ▼

INSULATE your house to save winter fuel. Makes it more comfortable around outside walls too.

▼ ▼ ▼

KEEP DOWN housework by having a place near the back door for boots, rubbers and overshoes. Store shoes up off the floor. Provide a wash space outside the kitchen for outside workers.

▼ ▼ ▼

CHECK YOUR insurance policies. Make sure you have enough coverage to meet 1955 costs in case of a loss. Insurance programs should be reviewed once a year.

Survival of the Fittest

by Henry Arthur

"SURVIVAL OF THE FITTEST" is an old, well known law and it's very true. Before man domesticated animals for his own use, only the fittest of the herds and flocks survived while the weak fell by the wayside—victims of the strong. If man's need for meat and other animal products weren't so great today, we might still let nature select the best, but we can't feed our growing population by reducing the amount of livestock.

The not-so-fit animals survive and reproduce today because our modern livestock management and veterinary methods protect them and help them through difficult periods.

At the University of Minnesota, researchers are using the survival of the fittest law in an attempt to produce a superior strain of hardy swine. They do it this way:

> At breeding time a group of boars are turned in with a group of females. The boars are left with the females through one heat period. The more active boars sire most of the next pig crop and the females that don't conceive during one heat period are culled for market. The females farrow by themselves and the weak pigs are allowed to die.

It's still too early to form any final opinions, but it looks like this method of selection should result in good breeding performance of the finished strain of hogs. And it would appear that future generations should produce a higher percentage of strong pigs at birth.

Only the best in feeds and feed processing methods survive, and there's no one to protect and preserve the inferior brands either! Solvent processing is the most efficient way to produce linseed oil meal and Minnesota 36% is made that way. Use 3% to 5% of Minnesota 36% in your sow's ration for its mildly laxative effect. Available as meal, pellet or grits. Ask your dealer to order you out a load of *Minnesota 36% Linseed Oil Meal!*

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Minnesota 36% Linseed Oil Meal

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You can't cover trash unless you cut it first — and no other cutting and covering attachment does the job like Yetter! Efficient SLICING ACTION cuts surface trash and throws it into the furrow. Any picked up by the blade is caught by the deflector and also thrown into the furrow — that's the kind of clean plowing that increases yields!

PLOWS PULL UP TO 40% EASIER

Drawbar tests prove a Yetter-equipped plow pulls much easier than one with ordinary rolling coulter and jointer. Many plow in one gear higher . . . plow 5 acres in 4-acre time. You save time and money when you plow the Yetter way!

GUARANTEED TO WORK ON YOUR PLOW

Proven to work on practically any plow made. Efficient ONE-BLADE design — it takes a single blade disc type coulter to work successfully on modern mounted plows! Write Today.

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YETTER WHEEL CLEANER peels off mud and trash from front tractor wheels. Adjustable for sidewall and tread. WRITE: YETTER MFG. CO., 129 Main St., Colchester, Ill.

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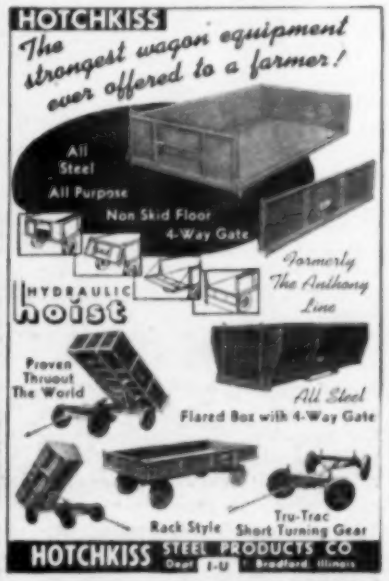

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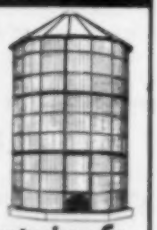

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Brower Mfg. Co., Box 8302, Quincy, Ill.

Iowa farmer sees

Collective farm in Russia

Big farm covers 12,000 acres, uses 819 workers in Ukraine, Corn Belt of European Russia

What's a Russian collective farm like? Charles J. Hearst of Black Hawk county, Iowa, was one of the farmers who made the trip to Russia. In this article, he tells about a visit to a collective farm. This farm is in the southern Ukraine. To locate its general position, find the Black Sea on your map and head 300 miles north from the Crimean peninsula.

DNEPROPETROVSK, Russia. We drove nearly 100 miles over some cobble roads to Zaparozhe. We were welcomed on the way, got on a pleasant boat and went downstream about an hour to visit a collective farm. It was cool on the boat, and we all enjoyed the trip.

This is a winter wheat area with some spring wheat and some corn. The rainfall is a limiting factor on yields tho this year they have had more than usual and their wheat looks good.

We were greeted at the farm with flowers. Each of us received a pretty bouquet, and then we were given the information about the farm.

It contains around 11,800 acres. There are 1,859 people living on the place of whom 819 are classed able bodied—that is, are full time employees of the farm. The

This farmer, Charles Hearst, Black Hawk county, Iowa, was one of the group that visited Russia. Here he tells some of what he saw.

others may work elsewhere or be too young or too old to be employed.

There are 9,400 acres of plow land, 400 in orchard and vineyard, and the rest in pastures. This means that for every able bodied worker, there are about 12 acres to farm.

The place has nine modern barns and three storehouses for grain. About 20 pit silos roughly 18x30x15 feet deep. We saw them harvesting wheat, oats and barley. After it is combined, it is piled on the ground and recleaned with a big fanning mill.

They were cutting corn and a plant that looked like one of the sorghums — standing about two or three feet high—and making silage of it. The machine took about an eight-foot cut and elevated the chopped green material into trucks.

We thought if the machine could handle grain six to eight feet high, it had some possibilities for some of our conditions. The people assured us that it would.

The place has a pumping station at the edge of the river and by using three motors totaling 165 kilowatts, they pump water for use on the farm and gardens (not for irrigation, however).

The farm has a brick kiln and a lime kiln, 12 trucks, one automobile.

They use 24 15-horsepower tractors and six combines as well as other machinery furnished by the local machine-tractor station. This service they pay for in kind (produce).

Their yields as reported to us over the last four years—two of which were dry—were about 13 bushels wheat per acre. They have 1,024 cattle of which 414 are milk cows with an average yield per cow for nine months of 4,000 pounds.

They also have around 125 sows of the large white breed and claim about 18 pigs per sow on a two-litter per year system.

About 705 ewes and they get about 105 lambs per 100 ewes.

Much of this livestock is handled by the women. The place seems quiet and is either accustomed to many visitors (which is probably the case) or is quiet by nature and training.

For an indication of income the farm reports this

1930	1,801,000 rubles
1954	4,450,000 rubles
1956	6,000,000 rubles

This assumes ordinary conditions. Last year the wages for a working day unit were five rubles and 30 kopecs and some grain. One family of four able bodied put in about 1,934 working day units. They have 1.2 acres for themselves.

Some have a cow or a couple of pigs or some poultry or sheep or some combination of them. They usually have also some grain or vegetables for sale.

On the farm and from the village, about 1,277 children attend school. About 450 graduated from the seven year school and 78 graduated from the secondary. Some went to trade school rather than the secondary.

We stopped in at a free market in Kharkov the other morning and found eggs priced at a ruble each or occasionally 10 eggs for 12 rubles.

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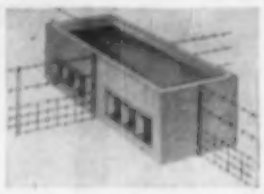
Steel Tank



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Write P. O. Box 246W

Leland MACHINE SHOP
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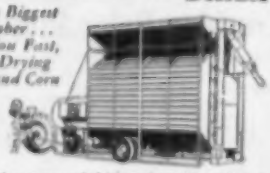
NEW! ALDRICH CROP DRIER

America's Biggest Air Chamber . . . Assures You Fast, Uniform Drying on Grain and Corn



Big air chamber surrounded by uniform 14 in. drying column assures proper air distribution for fast, even drying. Produces 360 bu. of dry shelled corn from 25% to 15% in as little as 90 min. with tractor P. T. O. or electric motor. Overhead hopper holds an additional 120 bu. Completely automatic control system is standard equipment . . . safest money can buy. LP Gas or Natural Gas fired. Complete grain handling system available.

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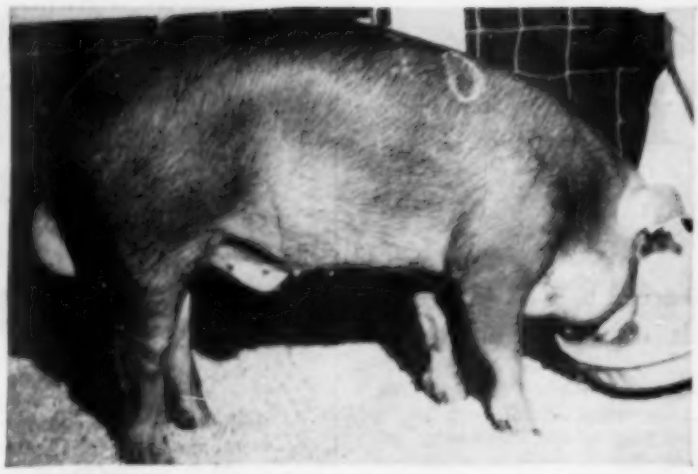

Top boar of the show was shown by Tracy Brothers of Williamsville, Ill. He sold in the auction to K-A Ranch, Clarksdale, Miss., for $4,000.

Meat type is good guess on what John Lehmann (right) of Pleasant Plains, Ill., and R. C. Juhl of Luverne, Minn., talked about. Lehmann is waiting for his turn to show.

National Duroc Congress

Sprinkling can was common equipment, even in show ring. Shown is Norman Helmke of Renwick, Iowa, trying to keep his boar cool before time to enter the show ring.

Beat the heat. Hugh Louden (left), Grinnell, Iowa, and Elmer Willey, Vincent, Iowa, did for a few minutes. A big fan forced air over these cakes of ice in effort to cool the the show ring.

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The handiest and most practical lift you have ever seen or used for dumping corn or grain wagons, unloading and loading machinery, pulling out fence posts, stretching wire, lifting heavy objects, and a thousand and one other farm jobs. Simple in construction, quick to attach and detach. For tractors equipped with hydraulic pumps. Light in weight, leave on tractor. Does not interfere with take-off drive or hitch.

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OPERATES OFF ANY TRACTOR P. T. O.

Unloads Grain, Corn, Ensilage, Chopped Hay, Forage, etc.

FALSE ENDGATE DESIGN
SAVES TIME, WORK
of Two Extra Men, yet does job faster. Revolutionary! Unloads any size load grain or forage. Unloads on the move or standing still and at any speed. Stop or start False Endgate from rear of wagon. Removable Power Shaft. Fits Any Barge Type Box. Calhoun Boxes Are Available.

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Decrease Draft Approx. 14%
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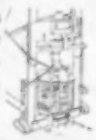

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FORT DODGE, IOWA

Duroc business? B. R. "Bing" Evans, (left), secretary of United Duroc Record Association, and Fenton G. Hardin of Orion, Ill.

Duroc men talk about meat type

TREND to meat type hogs got something of a boost at the 1955 National Duroc Congress. Many breeders went home determined to work harder on getting meat type plus fast, efficient gains.

Topic of constant conversation was meat type hogs. Some talk got almost as hot as the sizzling, 100-degree weather.

Breeders, packer representatives and judges often argued over type classes. Meat type versus breed character was the common point of disagreement.

Reserve champion boar shown by Hugh Louden and Son of Grinnell, Iowa, had some of that meat type look. And he weighed 220 pounds at five and a half months. Top boar was shown by Tracy Brothers of Williamsville, Ill.

Champion gilt was shown by Urish and Sons of Green Valley, Ill. Reserve, by Charles Bartholow and Son of Washington, Iowa.

Tho top hogs in the breeding classes had more stretch and trimness than Durocs of past years, carcass classes were disappointing.

Judges had a hard time finding length and trimness.

Not a single litter reached the certification standards set by the breed.

Ten of 11 pigs up for certification failed to meet the loin eye requirements. Top pig in live judging fell to sixth place carcass, mostly because of small loin eye. Percentage of lean cuts left something to be desired, too.

Judges did pretty well, tho. Eight of top ten on foot were in top 12 carcasses. Fifth place pig turned out best carcass.

You can find good meat type among the Durocs. Do a little looking. You can find a breeder that is making full use of records, backfat probing and boar-testing stations. Then you'll have a better idea of whether you are buying meat type.

POTASH ... the quality element in your fertilizer

side by side tests:

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Potash-fed, grass-legume combinations or any forage crop produce higher yields of lusher, more palatable, more nutritious pasture, hay or silage. Even more important from a cost saving standpoint—Potash builds sturdier, longer-lived stands. This means you save on barn or lot feeding costs. Get *more* milk, *more* meat per acre. Be sure your fertilizer supplies *enough* Potash. Consult your local agricultural adviser for correct amounts. But remember, a *low* Potash level means a *low* income level.

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Plus Antibiotic Feed Supplement and Other Essential Nutrients

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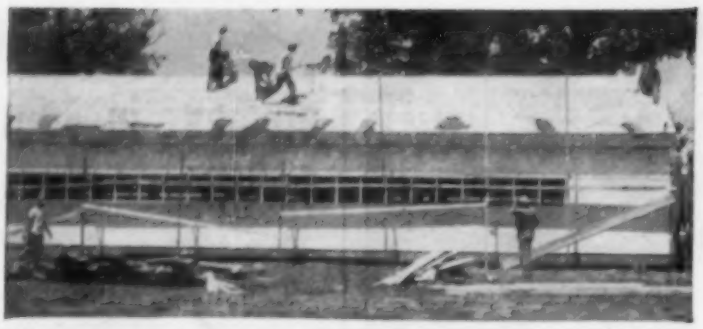

Dormitory for 4-H boys on Wapello county, Iowa, fairgrounds was built by boys, parents and friends. Fairboard furnished the materials.

Boy's dormitory at county fair

Wapello county folks build dormitory to house 4-H boys at the county fair

NEW dormitory for 4-H boys on the Wapello county, Iowa, fairgrounds answers a need of county fairs where boys stay on grounds overnight.

It allows closer supervision needed for parents to feel easy about permitting boys to stay.

Six leaders stay with the boys each night. A paid supervisor is on duty during daytime. Well publicized rules govern conduct in the dormitory.

Dormitory includes showers and double deck bunks to handle 120 boys. Permanent building measures 32 by 70 feet. Cost of materials was about $2,500. Labor was donated by 4-H boys, parents and friends.

Boys do cleanup during fair. Shown is Earl Baugh, son of Mr. and Mrs. Mack Baugh. Dormitory is open to parents and friends from 11 to noon each day.

Glad it's done. (Left to right) Carl and Max Willhoit, fairboard members, and Fred Gray, boys' 4-H chairman.

Dormitory is good idea, says Mr. and Mrs. Charles Proctor. Otherwise, sons Dean, 10, and Dwayne, 12, would spend nights at home and care for baby beeves after morning chores and long drive to the fairgrounds.

NEW TWIN HOIST FOR FARM TRUCKS
"Teleramic" twin hoist makes a dump truck out of your farm truck.

Here is a hoist farmers have been looking for. Especially designed for **lowest loading height, new weight distribution** for greatest legal payloads, and **lighter weight** to beat high license fees. This Anthony "Teleramic" twin telescopic hoist is built to take it under roughest duty farm work — a low cost way to do hundreds of farm hauling jobs. IDEAL AS A REPLACEMENT HOIST, TOO. Write for new free literature.

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OMAHA, NEB., Badger Body & Mfg. Co., 2719 Cuming St.
SIOUX CITY, E. L. Graham Brake Co., 208 S. Howard St.

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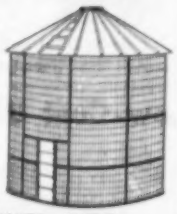

Heavyweight Construction 5 gauge bar mesh 3/16 in. thick.

24 gauge galvanized roof. Crib is dip painted with green enamel.

FOUR SIZES AVAILABLE

1375 BUSHEL SIZE
$375.00 Free delivery up to 150 miles
Literature Available.
What you save when you buy these cribs is available for other needs.
SODERHOLM MFG. CO.
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of many uses!
Build it yourself and SAVE!

This LESTER'S ¾ ARCH UTILITY BUILDING has year 'round uses—bale or machinery storage, stock shelter, repair shop, garage. Fast, easy erection with LESTER'S LAMINATED RAFTERS. (Doors are available.) Write—Stop In—Order by Mail!

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Also Barns—Machine Sheds—Corn, Grain Storage

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HANDY FINGERTIP CONTROL! SMOOTHNESS, MOST POWERFUL PRACTICAL, FASTEST & SAFEST
HYDRAULIC UNLOADER
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Meyer Farm Elevators — Cup and Portable
Simplest, strongest—no short turns. Widest, sturdiest PORTABLE — handles everything. Write us your crib problems today! State if interested in BUCKET or PORTABLE.
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World's Finest Portables! Exceptionally Rugged Heavy-Duty Model . . . **priced right!** Extra-wide 18" to 22" galvanized steel sections. Extra-heavy double No. 62 chain. 4-roller power-elevated derrick. Roller bearings throughout. Also Big 20" wide Model at AMAZING LOW PRICE. Elevates everything — baled hay, corn, small grain. Write for FREE Catalog and Prices **Today!**

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FEED-MAKER

Smalley offers a new mill of the conventional type. Illustration shows mill with MIX-ALL attachment, grinding cob corn and mixing concentrates into the ground feed — all in one operation. A sure saver of time and feed costs.

Available for belt drive, PTO drive and standard 3-point mounting. WRITE FOR DETAILS.

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Master Saver Feeder

FOR HAY OR ENSILAGE

Model #15 15 Ft. Long **$89.50** FREIGHT PREPAID

- PERMANENT
- CUTS YOUR FEED COST
- ALL-METAL CONSTRUCTION
- FEEDS 24 HEAD

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P. O. BOX 10222 DALLAS, TEXAS

WANTED—Man for Sales & Service Work

by northwest Iowa hatchery. Salary and Commission. Farm background essential, must be early 30's or under. Positively no drinker. Honest and industrious. Wages should run over $5,000.00 or more if you can sell. Send replies with recent photo and at least three references. Box 36, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Farm News Briefs

FIRST county-wide program to help farmers with heart disease has been announced by the American and the Iowa Heart Associations. A one-year pilot study will start September 1 in Washington county, Iowa. Main objective will be to determine the physical capacity of farmers in that county who have heart disease, and to help them remain active on their farms, if possible, and if they want to remain. For farmers suffering from heart disease, the program includes complete medical examinations, rehabilitation counselling and farm management help.

▼ ▼ ▼

AT LEAST 35 steam engines will perform at the Midwest Old Settlers and Threshers Reunion at Mt. Pleasant, Iowa, September 7-10. Exhibits of other old-time machinery and a demonstration of threshing with a flail are also scheduled.

▼ ▼ ▼

ABOUT 50 OPENINGS for agricultural technicians for overseas service are available, says International Voluntary Services, Inc., 1101 Connecticut Ave., N. W., Washington 6, D. C. It needs agricultural technicians and extension specialists for projects in Egypt, Jordan, Iraq, Nepal and Laos. This agency is governed by an interdenominational church board. More details may be obtained by writing the above agency.

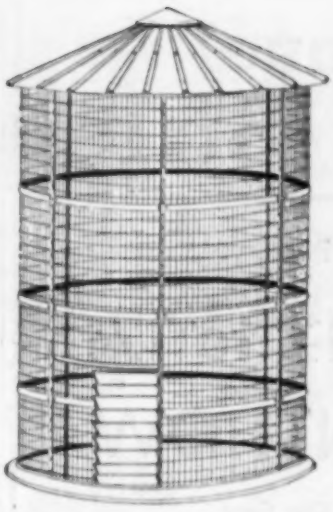
▼ ▼ ▼

DR. IVER J. Johnson, professor in charge of farm crops at Iowa State College, is the new president of the American Society of Agronomy. He was elected at the society's annual meeting last month.

▼ ▼ ▼

COMING EVENTS: Old Settlers and Threshers Reunion, Mt. Pleasant, Iowa, September 7-10; Cow Conference, Iowa State College, September 9; Soil Conservation Society of America Annual Meeting, Green Lake, Wisc., September 12-14; Clay County Fair, Spencer, Iowa, September 12-17; National Barrow Show, Austin, Minn., September 13-16; National Contour and Level Land Plowing Matches, Wabash, Ind., September 16-17; Iowa Farm Bureau Pork Clinic, Des Moines, September 22; Chicago Feeder Cattle Shows, September 22-23, October 13-14, and October 27-28; National Dairy Cattle Congress, Waterloo, Iowa, October 1-8.

"He's exhausted . . . Just gave the hired man a going over for loafing on the job."



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CRIBMASTER

SUPERIOR CONSTRUCTION MAKES IT LAST!

So strong it lasts for years . . . so rugged it stands wind, snow and rain without rusting, sagging or tipping. TWENTY exclusive DUNCAN CRIBMASTER features! Meets all government specifications for loan and sealing purposes.

Here's low cost, lasting storage for corn. Built of heavy gauge metal, triple reinforced with BOLTED, WELDED, BANDED construction, the DUNCAN CRIBMASTER is the next thing to a permanent crib.

Adjustable, no-jam door allows easy access, removable cap top for elevator filling. Two men can erect the CRIBMASTER in 2 hours.
3 sizes, 1100 bu., 1400 bu., 1700 bu. Tunnels and ventilators available.

GET FULL DETAILS. WRITE TODAY.

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Clean eggs everytime assured by Storm Method. Ventilated, extra large, egg compartments.

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Features that mean
- less work.
- less attention and
- longer life.

Get more for your money...more for your eggs!

Storm "Quality Controlled" **HEN NESTS**

The combined advantages of Storm double deck community nests providing maximum capacity, plus free front entrances for bird acceptance, give you highest quality Rol-Away nests at costs as low as conventional nesting.

Outstanding features include . . . cushioned, plastic coated screens; protected and ventilated egg compartments, which are quickly and easily dusted; new long life curtains; trainer perch system; and easy nest cleaning.

CAPACITIES ARE GUARANTEED . . . based on actual field performance. All nests sold on a guaranteed satisfaction basis.

CAPACITIES
4 FT. NEST
100 Leghorn type birds
5 FT NEST
125 Leghorn type birds

Ask your Storm dealer for information!

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Dassel, Minnesota
"SPECIALIZED POULTRY EQUIPMENT"

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Now for the first time, you can own needed THEFT Insurance. Just add a Residence and Outside Theft Endorsement to your Allied Mutual Farm Liability Policy.

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COVERAGE F applies to theft of money, bonds, valuables, etc., from the farm home.

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COVERAGE G applies to theft of livestock, machinery, etc.

REMEMBER . . .
It pays To See Your Allied Mutual Agent For Allied Mutual Pays . . .

ALLIED MUTUAL CASUALTY CO.
FOURTH AND PARK STREETS, DES MOINES, IOWA

6th Annual Display Sale!

WEEK OF

SEPTEMBER 12 to 17th

MT. PLEASANT, IOWA

PRIVATE SALE—At Our Farm,
¼ mile north on Highway No. 218

MEAT TYPE BOARS

We will have a nice offering of MEAT TYPE Boars that are especially bred to produce Premium Grade Carcasses. Some of our boars are big, rugged 300-lb. hogs ready for heavy service. In addition to their MEATY qualities, our hogs can be raised with LESS FEED . . . with increased litter size and survival . . . with increased vigor and resistance to disease . . . and they are ready for market two weeks earlier.

Profit or Loss

Two key factors are involved in determining profit or loss, and they are:

1. **EFFICIENCY IN PRODUCTION**
2. **AN ASSURED MARKET FOR PORK PRODUCTS AT PROFITABLE PRICES . . .**

OUR TYPE OF BOARS EMPHASIZE BOTH OF THESE NECESSITIES

The past 5 years these SPECIAL SALE WEEKS have been satisfactory with us and the buyers. To say that our old customers are our BEST salesmen . . . would be an understatement. Some of their success has been almost fantastic. The vigor and vitality resulting from . . . HYBRID VIGOR in our boars has been the main factor in their success.

Packers tell us 85% of the hogs coming to market carry too much LARD. We have the type of hogs that are commanding premiums at buying stations, and the open market. We have one customer who received a flat 50c per cwt. premium on 700 head of hogs. Their two boars made them $735 in one set of pigs in final sales price alone. Their rate of gain and feed efficiency also contributed substantial profits to their enterprise in spite of low prices.

LEAN MEAT in the meat counter displays is a necessity if pork is to compete with other meats. Too much of the pork has had too much lard and this excessive lard has contributed to the downward price in hogs. The per capita consumption of pork has dropped about 20 lbs. in the last 10 years. Most of this loss has been to beef, turkey and poultry. An over supply of hogs is the basic immediate reason for the price drop in hogs but lardy pork is losing its market. The coal industry refused to recognize competition from oil until it was too late.

At the present time we have a large group of boars ready to go. The herd has been vaccinated for Cholera and Erysipelas and all service age boars have been tested for Brucellosis. Our herd has been Brucellosis clean for 8 years.

Buy Here and Save $50-$75 per Boar

"PRODUCERS OF MEAT-TYPE HOGS SINCE 1947"

All hogs at farm, only ¼ mile north on No. 218

McAllister Seed Farms

MT. PLEASANT, IOWA

CLARK COUNTY

HEREFORD ASSOCIATION

SHOW — For sale order at 10:00 A. M.

Located 20 miles southwest of Keokuk, Iowa, and 1 mile west of

KAHOKA, MISSOURI, SAT., SEPT. 17

Starting at 1:00 P. M.

50 HEAD — 15 Rugged Bulls, 35 Desirable Females

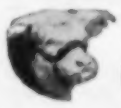
A good useful offering of dependable cattle, popular blood lines, presented in strong breeding condition and consigned by reliable breeders. The consignors are:

G. R. BREIDENSTEIN	Kahoka, Mo.	A. G. EVANS	Revere, Mo.
DELBERT SPRAY	Kahoka, Mo.	I. N. LEWIS	Revere, Mo.
CHESTER WELKER	Williamstown, Mo.	MRS. WILLIS SHEFFER	Revere, Mo.
CLYDE GASTON & SON	Farmington, Ia.	GLENN WENDLING	Luray, Mo.

Bulls well-grown, most all ready for service, herd bull prospects. Cows with calves and rebred, bred cows and heifers mated to top herd sires and attractive open heifers. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

G. R. BREIDENSTEIN, Secy., KAHOKA, MISSOURI

Auctioneer, Emerson Marting — Arch Stone, Fieldman



WISCONSIN HEREFORD BREEDERS

Fair Grounds Sale Pavilion

BARABOO, WIS., FRIDAY, SEPT. 23rd

43 WELL-BRED FEMALES — 17 RUGGED BULLS

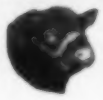
Selected from leading herds. Bulls most all ready for service, suitable for Breeders and Farmers. The females include cows and calves and rebred, bred heifers and open heifers. Rich breeding, ideal quality.

ROYAL ACRES, ELROY, WISCONSIN — DISPERSION
There are 24 cows and bred heifers, 3 open heifers and 3 bulls. Foundation for this herd was selected from the breed's best.

Plan to attend this sale. Ask today for FREE catalog. Kindly mention this publication. Address

HOMER GRABER, Secy., MINERAL POINT, WISCONSIN

SIOUX EMPIRE POLLED SHORTHORN



SHOW — 9:00 A. M. **SALE — 12:30 P. M.**

Sioux Empire Fair Grounds

SIOUX FALLS, S. D., TUESDAY, SEPTEMBER 27th

53 TOP CATTLE FROM LEADING HERDS

A grand offering selected from best herd of this District. The 35 bulls, most all ready for service, rugged bulls, pleasing type and breeding, suitable for herd sires in best purebred herds. 18 most desirable females and includes cows and calves, bred cows and heifers and open heifers. The progeny of some of the best bulls of the breed. Opportunity to secure foundation cattle. Due to illness of **John F. White**, former sale manager, the sale will be handled by **Eric Thormodsgaard.** Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

ERIC H. THORMODSGAARD, Sale Mgr., HUDSON, S. D.

HOLSTEIN DISPERSAL

At Oelwein Dairy Sale Barn

OELWEIN, IOWA, SAT., SEPTEMBER 17th

65 REGISTERED CATTLE
20 TWO-YEAR-OLD HEIFERS, JUST FRESH OR CLOSE UP
15 COWS, DUE WITHIN 30 DAYS
10 COWS, JUST FRESH, CALVES AT SIDE
3 TOP YOUNG HERD SIRES, 18 TO 20 MONTHS OLD
17 HEIFERS, FROM JULY CALVES TO BRED HEIFERS

TRANSMITTER, CARNATION, ORMSBY, RAG APPLE and **PATHFINDER** breeding. Cows to **600** lbs.; heifers to **500** lbs. Lots of **4%** animals. Dispersal of **W. H. LIENAU & SON**, Fredericksburg, Iowa, with consignments by **MARTIN & LIENAU**, Waucoma, Iowa. Complete health records. Ask now for **FREE** catalog. Please mention this publication. Address

CLAUDE E. WYLAM, Sale Mgr., WAVERLY, IOWA

Southeast Iowa Holstein Breeders

15th Annual OPPORTUNITY DAY

Wellman Dairy Sale Barn

WELLMAN, IOWA, WED., SEPTEMBER 21st

45 REGISTERED COWS, HEIFERS AND BULLS
15 TOP GRADE FEMALES

Breeders offer their best, suitable for foundation. **40** fresh or close up springing cows and first heifers. Several choice heifer calves for **4-H** or **F.F.A.** members. A few outstanding service age bulls, some recent show winners from high record dams. Sample Feature **WALLACE EASH** sells two cows, both over **600** lbs. fat. Up-to-date health papers. Pedigrees and catalog by **CLAUDE E. WYLAM, Waverly, Iowa.** Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

DAVE G. YODER, Sale Mgr., KALONA, IOWA

FEEDER CATTLE

31st ANNUAL SALE

AT OUR SALE YARDS

Thursday, September 8th

Manly, Iowa

Located 10 Miles North of Mason City on Highways No. 65 and No. 9. Railroads, Rock Island, Great Western and M. & St. L.

Held under cover, rain or shine.

Sale starts at 12 o'clock, noon

2300 Head

THIS IS A CHOICE GROUP OF CALVES—THE KIND THAT SELL

Finest Cattle Obtainable--Direct From the Range to Your Feed Lot!

This is the best offering of cattle we have ever presented for any of our sales. They are all good quality and include K-D, LOBERG and REED cattle, the kind of cattle with real merit that make Market-Topping cattle when finished.

40	Hereford Steers	1050 lbs.
60	Hereford Steers	1000 lbs.
100	Hereford Steers	950 lbs.
60	Hereford Steers	900 lbs.
100	Hereford Steers	800 lbs.
150	Hereford Steers	750 lbs.
250	Hereford Steers	700 lbs.
300	Hereford Steers	650 lbs.
220	Hereford Steers	600 lbs.
100	Hereford Steers	550 lbs.
50	Hereford Heifers	900 lbs.
100	Hereford Heifers	700 lbs.
150	Hereford Heifers	650 lbs.
150	Hereford Heifers	600 lbs.
60	Hereford Steer Calves	400 lbs.
80	Hereford Steer Calves	350 lbs.
50	Hereford Steer Calves	300 lbs.
50	Hereford Steer Calves	275 lbs.
40	Hereford Heifer Calves	400 lbs.
60	Hereford Heifer Calves	350 lbs.
50	Hereford Heifer Calves	300 lbs.
40	Hereford Heifer Calves	275 lbs.
40	Hereford Feeding Cows	900 lbs.

1 Saddle Horse

Hundreds of farmers have bought their cattle from STRAND yards each year . . . they prefer to make their selections from a reliable source where quality cattle can be obtained. They have made money feeding STRAND cattle. You too should make selections from our yards.

YOU WILL LIKE THE QUALITY OF CATTLE IN THIS AUCTION

Oswald Strand

& SON

Manly, Iowa

Clerk, First National Bank, Mason City, Iowa — J. E. Halsey, Fieldman

Auctioneers, Ernie Weller, J. R. Dorsey, Gene Dorsey, Gene Sheimo, C. M. Sheimo, C. Frieberg, Carl Jaspers, Arnold Hexom.

INTERNATIONAL DAIRY SHOW

OCTOBER 8-15, 1955

• CHICAGO •

$6500 IN CASH PRIZES

Offered in
Open and Junior Classes in Each of 6 Breeds:

AYRSHIRES
BROWN SWISS
GUERNSEYS
JERSEYS
HOLSTEINS
MILKING SHORTHORNS

Entries Close September 12 — *Write for Premium List*

See the American Dream Kitchens and Food and Dairy Exhibits in the NORTH EXHIBIT HALL.

WORLD CHAMPIONSHIP RODEO

Featuring GENE AUTRY

The country's top cowboys and cowgirls will compete for championship points and $20,000 in prizes in brone-riding, bull-dogging, calf-roping, and Brahma Bull riding.

Obtain Rodeo seats by mail order

International Dairy Show, Union Stock Yards, Chicago 9, Ill.

INTERNATIONAL AMPHITHEATRE

The Country's Largest Show Building

National DAIRY CATTLE CONGRESS

INVITES YOU TO ATTEND THE

43RD ANNUAL EXPOSITION

THE GREATEST EVER—The 1955 National Dairy Cattle Congress promises to be the greatest exposition ever held. The premiums, trophies and awards offered are the world's finest. The National Shows, likewise, promise to be the best held in many years. Only the finest cattle—the prize winners at State and Regional Shows are coming to compete for national honors at this, the "court of final appeal." Since 1949 every state plus Canada has participated annually in the over-all exposition. Make your plans today to attend. It's the climax show of the long show season for the nation's dairy cattle breeders.

SHOW WINDOW OF THE DAIRY WORLD—In the gigantic mid-west farm machinery display there will be on exhibit over 10,000 of the latest developments in the field of "push button-farming." The spacious exhibit halls will have on display the newest innovations in home equipment. Over five miles of new and resurfaced streets and sidewalks will be ready for the crowds. All buildings will be in immaculate condition.

HOUSING INFORMATION—With such an over abundance of activity you'll want to stay for more than one day. For room information write: Housing Bureau, Waterloo Chamber of Commerce.

EVERYTHING in the DAIRY WORLD

OCT. 1-8 WATERLOO IOWA

—When writing to our advertisers, please mention this paper—

MISSOURI COOPERATIVE

FEEDER CATTLE SALES

4700 — CATTLE AT AUCTION — 4700

SEPTEMBER 13-17, 1955

ALTON, MO.
SEPTEMBER 13 — 950

800 light yearlings, 150 heavy calves. Mostly Herefords, some Angus. F. O. Young, Secy., Alton, Mo.

POTOSI, MO.
SEPT. 14, 15 and 16 — 3000

1000 calves, Sept. 14; 1000 calves, Sept. 15; 1000 yearlings, Sept. 16. Mostly Herefords. J. D. Essmyer, Mgr., R. 1, Potosi, Mo.

STE. GENEVIEVE, MO.
SEPTEMBER 17 — 750

600 calves, 150 yearlings. 525 Herefords, 225 Angus. Andy Krietlor, Pres., Ste. Genevieve, Mo.

CATTLE SORTED INTO UNIFORM LOTS

As to Breed, Sex, Quality, Weight and Condition under Supervision of Missouri Agricultural Extension Service. Medium to Choice Quality. Cattle Sold by the Pound. Sales Conducted by Local Farmers in Their Own Pens. All Cattle Dehorned. Sales start 1:30 P. M.

CATTLE FRESH FROM FARM DAY OF SALE

MISSOURI COOPERATIVE

FEEDER CATTLE SALE

4700 — CATTLE AT AUCTION — 4700

SEPTEMBER 19-23, 1955

POPLAR BLUFF, MO.
MON., SEPT. 19 — 1200

500 calves, 700 yrlgs. 1000 Herefords, 200 Angus. Lee Hunter, Mgr., R. 5, Poplar Bluff, Mo.

DONIPHAN, MO.
TUES., SEPT. 20 — 1200

500 calves, 700 yrlgs. Mostly Herefords. L. J. Whiteside, Sec., Fairdealing, Mo.

BIRCH TREE, MO.
WED., SEPT. 21 — 800

550 calves, 250 yrlgs. 75% Herefords. Hulbert Rader, Mgr., Birch Tree, Mo.

WEST PLAINS, MO.
THURS., SEPT. 22 — 750

500 calves, 250 yrlgs. 600 Whiteface, 150 others. Lawrence Moore, Sec., West Plains, Mo.

AVA, MO.
FRI., SEPT. 23 — 750

500 calves, 250 yrlgs. 60% Herefords, 20% Angus, 20% Shorthorns. J. W. Reese, Ava, Mo.

CATTLE SORTED INTO UNIFORM LOTS

As to Breed, Sex, Quality, Weight and Condition under Supervision of Missouri Agricultural Extension Service. Medium to Choice Quality. Cattle Sold by the Pound. Sales Conducted by Local Farmers in Their Own Pens. Sales start 1:30 P. M. All Cattle Dehorned.

CATTLE FRESH FROM FARM DAY OF SALE

MISSOURI COOPERATIVE

FEEDER CATTLE SALES

1350 — CATTLE AT AUCTION — 1350

SEPTEMBER 19 and 20, 1955

LEBANON, MO.
MON., SEPT. 19 — 750

500 calves, 250 yearlings. 40% Herefords, 40% Angus, 20% Shorthorns and Mixed. Francis Oliver, Mgr., Richland, Mo.

STOCKTON, MO.
TUES., SEPT. 20 — 600

500 calves, 100 yearlings. 350 Herefords, 200 Angus, 50 Shorthorns. Elmer Decker, Pres., Stockton, Mo.

CATTLE SORTED INTO UNIFORM LOTS

As to Breed, Sex, Quality, Weight and Condition under Supervision of Missouri Agricultural Extension Service. Cattle Sold by the Pound. Good to Choice Quality. Sales Conducted by Local Farmers in Their Own Pens. All Cattle Dehorned. Sales start 1:30 P. M.

CATTLE FRESH FROM FARM DAY OF SALE

Pine Crest Farm

AYRSHIRE SALE

Grinnell, Iowa, Sat., Sept. 17
Starting at 12:30 P. M.

4-H and F.F.A. Judging Contest
10:30 A. M. — $100 in Awards

35 HEAD

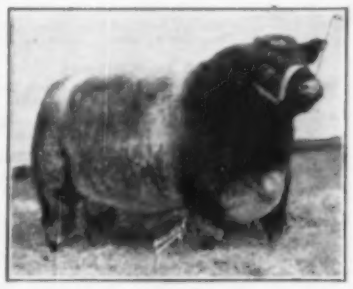
A few Polled, some dehorned, others with horns. All well-grown, the kind you like. Most close to calving and from dependable blood lines. One 14-month-old bull. Ask now for FREE catalog.

RICHARD SEARS & SON, GRINNELL, IOWA

SLOW DOWN AND LIVE

14th SEMI-ANNUAL HAWKEYE DOWNS

Polled Shorthorn Show and Sale



Friday, Sept. 16th

Show—9:30 A. M., C.S.T.
Judge: R. L. Flamme, Gladbrook, Ia.

Sale—12:45 P. M., C.S.T.

Hawkeye Downs

Cedar Rapids, Iowa

Seventeen of the leading breeders in Iowa, Minnesota and Illinois have joined forces to bring a highly useful offering to the livestock men of this area.

The offering includes 20 bulls ranging in age from two years down to 10 months, with practically all being of serviceable age. These are good rugged bulls with weight for age and plenty of substance. They possess choice bloodlines, and many of them are of such individuality that they may be used in many purebred herds.

The female offering comprises 10 cows with calves at foot and rebred, 2 to calve before sale day, 16 other bred females, and 5 open heifers. These females are sired by or bred to some of the leading bulls in the Hawkeye Downs area—sires that would be a credit to any section of the country. A good place to supply your livestock needs.

Many of the sires represented in this offering are: Greenwich Sensation (5), Royal Guard (2), Cloverdale Clipper Star (2), HTR Prince Rothers (3), Chief Topic (3), Alauna Fanfare (2), Browndale Leader (2), Browndale Monarch, Collynie Banker 2d, Collynie Advance, Monarch's Ranger, Defender's Nuggett, and Major's Legend.

THE CONSIGNORS ARE:

	Bulls	Females
ALAUNA ACRES, Vinton	2	0
LOYD BEECHER, Union	2	0
L. C. BOLSON, Decorah	1	3
FRANK DEMPSTER & SON, Arlington	1	0
WALTER F. FENNERN, Mt. Auburn	3	0
EMMETT FRANKLIN & SONS, Oskaloosa	3	3
KAEHLER BROS., St. Charles, Minn.	2	2
A. G. KESTER & SONS, Coggon	2	7
JOHN LEONARD, Iowa City	0	2
BILL MARTIN, Bloomfield	1	2
ROBERT McKINLEY, La Porte City	0	2
ROBERT MORRIS & SON, Aledo, Ill.	1	4
R. W. PACKER, Marshalltown	1	1
ROBERT E. SAVAGE, Monticello	0	2
RALPH C. STIRM, Brandon	1	3
HOMER H. WILSON, Keswick	0	1
JAY W. NABHOLZ, Shellsburg	0	1

You are cordially invited to be on hand for the Show at 9:30 A. M., and for the Sale at 12:45 P. M., C.S.T. Write today for **FREE** illustrated catalog to

EARL S. GIRTON, Sale Mgr., Box 452W, VINTON, IOWA

Auctioneer, J. E. Halsey — T. W. Sherlock, Fieldman

5TH SEMI-ANNUAL

Hawkeye Downs Shorthorn Show and Sale

At All-Iowa Fairgrounds

Cedar Rapids, Iowa

Saturday, Sept. 24

SHOW — 9:30 A. M., C.S.T.
Judge: Don James, Pardeeville, Wis.
SALE — 12:45 P. M., C.S.T.

17 BULLS
5 Club Heifers for 1956

23 FEMALES
20 Club Steers for 1956

Twenty breeders are co-operating to offer the public choice breeding cattle and 4-H and F.F.A. Club prospects in both heifers and steer calves.

Among the 17 bulls, you may select outstanding prospective sires from the group of 1953 and 1954 bulls, several of which were on the show circuit this season. Breeding, individuality, and substance available among this offering of bulls.

Selections are available for all classes of buyers among the females, there being 7 cows with calves at side and rebred, 9 other bred females, 7 open yearling heifers, and 4 1955 heifer calves suitable for club work in 1956.

The sires of the offering include: Propachy Fortune (2), Don Hill Mercury 44th (3), Prince Willingdon (2), Thistle Ha Viceroy, M Land's Royal Leader 19th (3), Viking 3d, Braemor Starry Archer, Leveldale Cameo (2), Claymore Jasper (4), B & B Prince Charles 14th (2), Braywood Souvenir, Regal Gloster (2), Prince Achtol (2), N Bar Gold Standard, Classic Bearer, MF Supreme 5th, Marellbar Duplicator, and others.

THE CONSIGNORS	Bulls	Females	1955 Club Heifers*	1955 Club Steers*
ALAUNA ACRES, Vinton	0	0	1	0
A. J. BLAKELEY & SON, Grinnell	1	0	0	0
LLOYD BURR & SON, Lone Tree	1	0	1	1
VERNON BURR & SON, Lone Tree	0	0	0	4
FRANCES FARMER, Strawberry Point	0	0	0	1
CARL FRICK & SONS, Stockton	0	2	1	0
OTTO JOHNSON, Lohrville	1	0	0	0
A. G. KESTER & SONS, Coggon	0	0	0	2
E. W. MAUER & SONS, Fayette	2	5	0	0
H. R. MAUER & SON, Manchester	3	1	0	2
ANGUS E. MOORE & SON, Mt. Pleasant	2	2	0	0
HUGH OWENS & SONS, Homestead	0	2	0	0
F. ROTHLISBERGER & SON, Elgin	2	2	1	0
L. & A. T. ROBINSON, Masonville	1	1	0	0
PENNINGROTH BROS., Wellman	1	1	0	0
PAUL STEWART, Anamosa	0	0	0	5
URICE BROS., Vinton	2	1	0	0
JOHN WAGNER, Bellevue	0	3	0	4
WM. WIEBKE & SON, Greene	1	3	1	0
WENDELL CIRCUS, Independence	0	0	0	1

*We will likely have added entries in these classes by sale day.

Be sure to write for your **FREE** catalog and study the choice breeding of the cattle offered. Address

EARL S. GIRTON, Sale Mgr., Box 452W, VINTON, IOWA

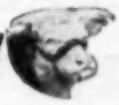
Auctioneer, J. E. Halsey — T. W. Sherlock, Fieldman

FIRST SALE

Northeast Iowa Hereford Breeders

Comfortable Sale Pavilion

Postville, Ia., Sat., Sept. 17



25 Rugged Bulls — 35 Well-Bred Females

15 Splendid 4-H Club Calves

THE BULLS—7 are 2-year-olds, ready for service, others long yearlings and a few younger bulls. Most all ready to use. Best blood lines. Herd bull prospects.

THE FEMALES—35 profitable young females. Cows with calves and rebred. Bred cows and heifers and open heifers. Sired by top sires and mated to good herd bulls. Consigned by the following breeders:

H. W. Helms & Sons, Elgin, Iowa
Joe Hoover & Son, Elkader, Iowa
Joseph Brink, Elkader, Iowa
Louis Boji, Wadena, Iowa
Lloyd Kaiser, McGregor, Iowa
L. S. Teslow, Decorah, Iowa
Merrill Marting & Sons, Garnavillo, Iowa
Helmer J. Hovden, Ridgeway, Iowa
Olvin C. Hovden & Son, Decorah, Iowa
Arvid Wahlborg, Strawberry Point, Iowa

15 4-H CLUB CALVES—Ideal for the 4-H and F.F.A. members. A most desirable offering of richly-bred cattle, presented in good thrifty breeding condition, consigned by reliable breeders. Plan to attend.

Ask now for **FREE** catalog. Kindly mention this publication. Address

BYRON BOJI, Secy., WADENA, IOWA

Auctioneer, Tom Sherlock — J. E. Halsey, Fieldman

Annual Fall Show and Sale

Western Illinois Hereford Assn.

At fair grounds, located across river from Keokuk, Iowa

SHOW—Sept. 9th, 1:00 P. M., C.S.T. SALE—Sept. 10th, 12:00 Noon, C.S.T.
Judge: Emerson Marting

MT. STERLING, ILLINOIS
September 9 and 10

HEREFORDS AND POLLED HEREFORDS

25 Rugged Bulls — 64 Choice Females

THE BULLS—All ready for service, a few 2-year-olds, long yearlings, ideal for service now. Two tried sires. Rich in pedigree and pleasing in quality. Breeders and farmers can select their herd sire here.

THE FEMALES—The 65 head include several splendid cows with big lusty calves at side and rebred; the 3 in 1 kind. Several bred cows and heifers, mated to top herd sires and attractive open heifers. The sort for foundation purpose. The consignors are:

		Bulls	Females
VINCE ALLEN & SON	Warsaw	0	3
RICHARD DALE BARTON	Pleasant Hill	0	4
J. O. COLE & SONS	Plainville	1	0
LEWIS COOK	La Salle	0	4
W. R. DETRICK	Quincy	0	1
DISSELHORST FARMS	Quincy	0	3
J. DWIGHT ERNST & SON	Hamilton	0	2
PRAIRIE ACRES STOCK FARM	Lowpoint	2	0
WM. E. GLECKLER & SONS	New Salem	2	0
ROLLING H. HEREFORD FARM	Mt. Sterling	0	3
JOHN B. HANING	McLean	1	6
CARL A. HARTWEG	Hamilton	2	0
JOE HELLE	Smithfield	1	1
HORNLEA FARMS	Macomb	1	3
KAMAH FARMS	Pittsfield	3	14
ROBERT T. KAY & DAUGHTERS	Plainville	0	2
A. W. KERN & SONS	La Harpe	0	2
DOUBLE K STOCK FARM	Timewell	2	2
HAZEL L. KERR	Timewell	0	1
VIRGINIA MAE KERR	Timewell	0	1
H. F. LAWSON & SON	Fairview	1	1
ESTELL MESERVEY	Timewell	2	0
FLOYD L. McCASKILL	Clayton	2	1
ARTHUR McCLELLAND	Mt. Sterling	0	3
ROY NORTON	Timewell	1	3
ERNEST PAINTER & SON	La Harpe	1	0
GLENN E. ROOTH	Joy	2	0
LELAND SHUPE	Mendon	0	2
HENRY J. UPKES & SON	Carthage	1	3

This Association always offer large numbers and they sell at prices you can afford to pay. Many secure bargains in their sales and start new herds from this Association's sales. You will find HEREFORDS and POLLED HEREFORDS from the best WESTERN ILLINOIS herds. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

ROBERT ALLEN, Secy., WARSAW, ILLINOIS

Auctioneers, Marting, Sherlock and McCaskill — J. E. Halsey, Fieldman

POLLED HEREFORD DISPERSION

Sale at farm, only 31 miles south of Peoria and 44 miles north of Springfield, on Route 136, near

SAN JOSE, ILLINOIS, THURS., SEPT. 15th

Starting at 11:00 A. M., Central Standard Time

135 HEAD — Selling as 100 Lots

3 TOP HERD BULLS — 63 BREEDING COWS
22 BRED HEIFERS — 21 ATTRACTIVE OPEN HEIFERS

The late Henry Worner and Mrs. Henry Worner, who passed away recently, lived on the Worner Polled Hereford Farm and it was operated on a partnership, hence it is necessary to make a complete Dispersion to settle the estate.

THE BULLS—REAL AXTEL 2nd (a 100% dehorner) by Real Plato Domino breeding. We feature his service and calves. **BEAU ROLLO 3rd,** by the over-all Champion **AFL BEAU ROLLO 59th,** and **BF REAL VICTOR DOMINO,** an outstanding junior yearling and selling, a son of Real Onward 26th. Three top herd bulls. Also two choice yearling bulls.

THE FEMALES—One of the fine cow herds of the breed. 63 grand breeding cows, many with calves and rebred. 22 choice bred heifers and 21 most attractive open heifers. The offering includes 15 daughters of **PAWNEE DOMINO 8th** (former Lewis herd sire, the blood of tops in Lewis herd and Bay Manor Farm's $50,000 National Champion, **AFL BATTLE MIXER**). Also 15 Banning-Lewis cows and several daughters of **MYRTLEWOOD MISCHIEF 2d, BUSTER DOMINO,** others of **CHANDLER, WIESE** and **MEREDITH** breeding. Heifers mostly granddaughters of our noted **AFL BEAU ROLLO 59th** and through their sires, **CHAMP ROLLO 2d** and **BEAU ROLLO 3rd.**

Cattle from this herd have gone to 44 states and 4 foreign countries. A Dispersion always offers bargains. Plan to attend. Ask now for **FREE** illustrated catalog.

WORNER POLLED HEREFORD FARMS, SAN JOSE, ILLINOIS
Auctioneers, Marting and Schnell — T. W. Sherlock, Fieldman

V. R. WOLF'S JERSEY DISPERSAL

PRESTON, MINN., SAT., SEPT. 10th

12:30 P. M. — At Farm, Southeast City Limits

54 Head of Marlu Farm Breeding

25 Young Cows, with records and classified for type. Of proven blood lines. Some of the breed's finest. **25 Bred and Open Heifers,** all sired by **Marlu** bulls. **2 Herd Sires,** a 5-year-old son of **Favorite Commando** and a 3-year-old son of **Zinnia's Advancer,** from a **V.G.** Gold Medal daughter of **Favorite Commando,** and 2 bull calves. All calfhood vaccinated. **T.B.** and **Bangs** tested. For **FREE** catalog of sale write

IVAN N. GATES, Sale Mgr., WEST LIBERTY, IOWA

IOWA JERSEY BREEDERS STATE SALE

WATERLOO, IOWA

THURS., SEPTEMBER 15, 1955

At Dairy Cattle Congress Grounds — 12:30 P. M.

50 Head of Iowa's Best Jerseys

Selected from the leading herds in the state. Choice Young Cows, Bred and Open Heifers, 2 Young Bulls, 4-H Heifer calves dropped since July 1, 1955. Many calfhood vaccinated. **T.B.** and **Bangs** tested. For **FREE** catalog of sale write

IVAN N. GATES, Sale Mgr., WEST LIBERTY, IOWA

TAMWORTH SALE

At farm near

SHELDON, IOWA, MON., SEPT. 12th

Night Sale Starting at 7:30 P. M.

80 HEAD

20 BRED SOWS AND GILTS
Selected from our tops

30 BIG RUGGED BOARS
A few fall boars and other spring boars—genuine herd prospects

30 OPEN SPRING GILTS
Ideal for foundation use

Rich in best blood lines. Breeding stock at its best. **COME!** Ask now for **FREE** catalog. Kindly mention this publication. Address

FLOYDCREST FARMS — **WALTER KRUSE, SHELDON, IOWA**

MEEKER HAMPSHIRE SALE

Friday Night, Sept. 23d

OAKVILLE, IOWA

60 Spring Gilts — 30 Spring Boars

Nearly all are sired by **THE LEADER,** Grand Champion Boar at the 1954 Iowa State Sale, Second Prize Fall Boar at the 1954 Iowa State Fair, and sire of the Grand Champion Boar at the 1955 Iowa State Sale. Offering 100% P.R. tested. State Bangs accredited herd No. 47. Watch the neat issue of this publication for complete details. Send now for your **FREE** catalog. Please mention this publication. Address

ORVILLE MEEKER, OAKVILLE, IOWA

Coming Livestock Sales

ANGUS

Sept. 10—Fred Epperle, (Dispersion), Bennington, Nebr.
Sept. 17—Fred P. Rudy, (Dispersion) Kenosha, Wis.
Sept. 17—Corn Belt Angus Breeders Assn., Forrest, Ill. H. R. Stuckey, Secy., Piper City, Ill.
Sept. 27—A. C. Flint, Bethany, Mo.
Oct. 1—Draper & King and Ben & Vera Irina, Corydon, Iowa. Sale at Humeston, Iowa.
Oct. 6—Northeast Iowa Breeders, Cedar Falls, Iowa. Bob Robinson, Sale Mgr., Masonville, Iowa.
Oct. 6—George Flamank, (Dispersion) Albany, Mo. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Oct. 8—Hawkeye Angus Breeders Assn., Cedar Rapids, Iowa. Albert Stuart, Secy., Newhall, Iowa.
Oct. 10—Nodaway County and Harrison County Joint sale, Maryville, Mo.
Oct. 18—Blackpost Ranch, Olathe, Kan.
Oct. 21—Lazear Angus Farm, Chariton, Iowa.
Oct. 22—State Angus Calf sale, Ankeny, Iowa.
Oct. 22—Hale Thompson, Eagleville, Mo.
Nov. 2—Grand River Angus, Princeton, Mo. Marion Summers, Mgr., Princeton.
Nov. 2—"Quality Blacks" sale, Hugo Rock & Sons, Dixon, Iowa; Waldo Mommsen, Clinton, Iowa; Olson Bros., Calmous, Iowa; Brown & Hansen, New Liberty, Iowa. Oliver A. Hansen, Sale Mgr., Durant, Iowa.
Nov. 5—C. H. Nau & Son (Dispersion), Mt. Pleasant, Iowa. Sale at Columbus Jct., Iowa.
Nov. 7—Cloverly and Taylormade, Malvy, Iowa.
Nov. 12—Rogers Bros. Calf sale, Kirksville, Mo.
Nov. 12—Eastern Iowa Angus Assn., (4-H Calf sale) DeWitt, Iowa.
Nov. 14—Interstate Angus Breeders Fall Show & Sale, Sioux City, Iowa. Dwight Tabke, Sale Mgr., Morille, Iowa.
Nov. 22—C. A. Figland & Sons, Searsboro, Iowa. Sale at Grinnell, Iowa.
Dec. 7—Otto Frank, Manilla, Findlay & Christensen, Harlan, P. K. Pratt, Walnut, and Charles F. Beerman, Dakota City, Nebr. Sale at Denison, Iowa.
Dec. 10—Pagemere (Jake Stimson Division) and Arlavon All 10th sale, Clarinda, Iowa.

FEEDER CATTLE

Sept. 8—Oswald Strand & Son, Manly, Iowa.
Sept. 13—Alton, Mo.
Sept. 14, 15, 16—Potosi, Mo.
Sept. 17—Ste. Genevieve, Mo.
Sept. 19—Poplar Bluff, Mo., and Lebanon, Mo.
Sept. 20—Doniphan, Mo., and Stockton, Mo.
Sept. 21—Birch Tree, Mo.
Sept. 22—West Plains, Mo.
Sept. 23—Ava, Mo.
Sept. 26—Ellington, Mo., and Stanberry, Mo.
Sept. 27—Alton, Mo., and Princeton, Mo.
Sept. 28—Houston, Mo., and Princeton, Mo.
Sept. 29, 30—Salem, Mo.
Sept. 29—Maryville, Mo.
Oct. 1—Vienna, Mo.
Oct. 3, 4, 5, 6—Unionville, Mo.
Oct. 3—Montgomery City, Mo.
Oct. 4—Columbia, Mo.
Oct. 5—Macon, Mo.
Oct. 6, 8—Fayette, Mo.
Oct. 6—Central Wisconsin sale, Friendship, Wis.
Oct. 7—Kirksville, Mo., and Moberly, Mo.
Oct. 10—Scotland County, Memphis, Mo.
Oct. 10—Milan, Mo., and Warsaw, Mo.
Oct. 11—Davis County, Bloomfield, Iowa.
Oct. 11—Milan, Mo., and Versailles, Mo.
Oct. 12—Brookfield, Mo., and Appleton City, Mo.
Oct. 13—Vadie Baker, Lewistown, Mo.
Oct. 13—Sullivan, Mo., and Clinton, Mo.
Oct. 14—Owensville, Mo., and Bethany, Mo.
Oct. 15—Paris, Mo., and Bethany, Mo.
Oct. 31—Madison County Hereford Assn., feeder cattle sale, Winterset, Iowa.

HEREFORDS

Sept. 9-10—Western Illinois Hereford Assn., Mt. Sterling, Ill. Robert Allen, Secy., Warsaw, Ill.
Sept. 17—Clark County Herefords, Kahoka, Mo. G. R. Breidenstein, Mgr.
Sept. 17—Northeast Iowa Breeders, Postville, Byron Boll, Secy., Wadena, Iowa.
Sept. 23—Wisconsin Hereford Breeders, Baraboo, Wis. Homer Graber, Secy., Mineral Point, Wis.
Oct. 1—Clark J. Lamport Calf sale, Britton, S. D.
Oct. 1—Tomlin & Wolland, Mason City, Ill.
Oct. 3—Thorp Hereford Ranch, Britton, S. D.
Oct. 3—(Night) North Star Herefords, Britton, S. D.
Oct. 5—Ralph Bramer, Murray, Iowa.
Oct. 6—Wilbert G. Robinson, (Dispersion) Sabula, Iowa.
Oct. 8—John Dittmer & Sons, Lacona, Iowa. Sale at Knoxville, Iowa.
Oct. 11—North Iowa Breeders, Mason City, Iowa. Leigh Curran, Secy.
Oct. 15—Wisconsin Breeders State show and sale, Lancaster, Wis. Homer Graber, Mgr., Mineral Point, Wis.
Oct. 19—Blue Grass Hereford Assn., Princeton, Mo. Norma Gay Young, Secy., Princeton, Mo.
Nov. 3—Northeast Missouri Hereford Breeders Assn., Memphis, Mo. Vernon Winkler, Secy.
Nov. 5—Orval Burchett & Sons, Grand River, Iowa. Wayne O. Burchett, Mgr.
Nov. 17—Illinois Futurity show and sale, E. Glen Ash, Secy., Harristown, Ill.
Nov. 19—Western Illinois Hereford Assn. (Calf Club sale) Macomb, Ill. Robert Allen, Secy., Warsaw, Ill.
Nov. 26—Hereford Breeders Calf sale, Story City, Iowa. Leon Joy, Mgr., Ames, Iowa.
Nov. 28—F. J. Bickel and Sons, (Dispersal) Lineville, Iowa.

POLLED HEREFORDS

Sept. 9-10—Western Illinois Hereford Assn., Mt. Sterling, Ill. Robert Allen, Secy., Warsaw, Ill.
Sept. 15—Worner Polled Hereford (Dispersion), San Jose, Ill.
Oct. 7—Southeast Iowa Polled Assn., Oskaloosa, Iowa. Calvin Cruzen, Sale Mgr., New Sharon, Iowa.
Oct. 11—North Iowa Breeders, Mason City, Iowa. Leigh Curran, Secy.
Oct. 15—O'Bryan Ranch, Hiattville, Kan.
Oct. 28—S. Wilson, Canton, Mo. Sale at Lancaster, Wis.
Oct. 29—Missouri State Futurity show and sale, Columbia, Mo. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Nov. 9—Master Key Place, Fulton, Mo.
Nov. 14—O'Bryan Ranch, Hiattville, Kan.
Nov. 16—Ted Griswold, Livington, Wis.
Dec. 5—L. J. Marzen, Marble Rock, Iowa.
Dec. 6—Hervale Farms, Wayne, Nebr.
Dec. 8—Green Ridge Farm, (Dispersion) Donald & Helen Bowman, Kidder, Mo.
Dec. 9-10—Illinois Polled Hereford show and sale, Princeton, Ernest Painter, Secy., La Harpe, Ill.

SHORTHORNS

Sept. 24—Hawkeye Downs 5th sale, Shorthorns and Club calves. Earl S. Girton, Sale Mgr., Vinton, Iowa.
Oct. 1—Thielle's Shorthorn and 4-H sale, Gregory, So. Dak. Merv F. Aegerter, Sale Mgr., Seward, Nebr.
Oct. 3—Northwest Missouri Breeders, Rockport, Mo. Dr. L. W. Landfather, Mgr., 412 W. 2nd, Maryville, Mo.
Oct. 6—Carl Retzlaff, Walton, Nebr. Mervin F. Aegerter, Sale Mgr., Seward, Nebr.

SHORTHORNS

Spencer, Iowa. Albert J. Hamann, Mgr., Rock Rapids, Iowa.
Oct. 8—Spencer Shorthorn and 4-H Club sale.
Oct. 14—Howard Hildreth, (Dispersion) R. 1, Estherville, Iowa.
Oct. 22—Absarben Acres, Omaha, Nebr.
Oct. 26—Carl McKenzie, Armington, Ill.
Nov. 1—Dale Bellows—Rosaridge Farm—Ore Lee Staley, Maryville, Mo. Mervin F. Aegerter Sale Mgr., Seward, Nebr.
Nov. 5—13th Semi-Annual Central States show and sale, Oskaloosa, Iowa. C. Emory Stewart Sale Mgr., Rose Hill, Iowa.
Nov. 7—L. E. Mathers & Son, Mason City, Ill.
Nov. 12—Western Illinois Breeders, Macomb, Ill. Don Longley, Sale Mgr., 16 S. Locust St., Aurora, Ill.
Nov. 14—John Combs, New Market, Iowa, and Th Lucas and Son, Lenox, Iowa. Sale at Lenox Iowa.

POLLED SHORTHORNS

Sept. 16—Hawkeye Downs 14th sale, Cedar Rapids Iowa. Earl S. Girton, Sale Mgr., Box 452, Vinton, Iowa.
Sept. 27—Sioux Empire Show & Sale, Sioux Falls So. Dak. Eric H. Thormodsgaard, Sale Mgr. Hudson, So. Dak.
Nov. 2—Missouri Breeders, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.
Nov. 16—Iowa State sale, Des Moines, Iowa Wayne A. Carr, Secy., Cincinnati, Iowa.

DAIRY CATTLE

Sept. 10—V. R. Wolf, Preston, Minn. (Jersey dispersion). Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Sept. 10—Fred Epperle, (Holstein Dispersion) Bennington, Nebr.
Sept. 15—Iowa State Jersey Breeders sale, Waterloo, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Sept. 17—W. H. Lienau & Son, (Holstein Dispersal) Fredericksburg, Iowa. Sale at Ostwein, Iowa. Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Sept. 17—Richard Sears & Son, (Ayrshires) Grinnell, Iowa.
Sept. 21—15th Annual Tri-County Holstein sale, Wellman, Iowa. Dave Yoder, Mgr., Kalona, Iowa.
Sept. 21—William H. Welter, (Holstein Dispersion) Hopkinton, Iowa.
Sept. 26—Miller-McDaniel (Jersey dispersion), Clarinda, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
Sept. 29—Dr. Chas. A. Monahan, (Holstein Dispersal) Vinton, Iowa. Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Oct. 22—Northwest Iowa Ayrshire Assn. Spencer, Iowa. Mrs. Fred Ditscher, Secy., Alta, Iowa.
Nov. 19—Iowa Holstein Breeders State sale, Spencer, Iowa.
Dec. 3—12th Annual Iowa State Ayrshire sale, Spencer, Iowa. Joe Back, Mgr., Stoory City, Iowa.

MILKING SHORTHORNS

Sept. 24—Illinois Northwest District Breeders, Pecatonica, Ill. Don Ward Mgr., Deer Creek, Ill.

BERKSHIRES

Sept. 14—National show and sale, Barrow Show, Austin, Minn.
Sept. 22—National Futurity show and sale, Springfield, Ill.

CHESTERS

Sept. 29—Henry Jurgensen, R.2, Olin, Iowa.
Oct. 8—A. L. Bidne & Son, Lake Mills, Iowa.
Oct. 11—(Night sale) Albert H. Petersen, Jesup, Iowa.
Oct. 12—(Night sale) Walter Schminke, Van Horne, Iowa.

DUROCS

Oct. 1—Wm. Helmke & Son, Renwick, Iowa.
Oct. 6—Gregor Vaske & Sons, Dyersville, Iowa.
Oct. 7—Juhl Bros., Luverne, Minn.
Oct. 8—Bert Bruck & Sons, Sioux Center, Iowa.
Oct. 25—(Night sale) Iowa State Duroc sale, Boone, Iowa. Clarence E. Bundy, Secy., 226 Curtis Hall, Ames, Iowa.
Oct. 26—(Night sale) D. D. Staples, Des Moines, Iowa.

FEEDER PIGS

Sept. 9—Feeder Pig sale, Doniphan, Mo.
Sept. 8—Feeder Pig sale, Alton, Mo.

HAMPSHIRES

Sept. 21—(Night sale) E. R. Brenneman, Warland, Iowa.
Sept. 21—(Night sale) Henderson Farm, Coin, Iowa.
Sept. 22—(Night Sale) Iowa Hampshire Breeders, Cedar Rapids, Iowa.
Sept. 23—(Night Sale) Orville Meeker, Oakville, Ia.
Sept. 24—(Night sale) Eugene Fitz & Son, Melbourne, Iowa.
Sept. 26—(Night Sale) Duncan & Smylie, Columbus Jct., Ia.
Sept. 27—(Night sale) George Lorenz, Wells, Minn.
Sept. 28—(Night sale)—Field & Christiansen, Nora Springs, Iowa, and Don Yunsen, Kasson, Minn. Sale at Osage, Iowa.
Sept. 29—(Night Sale) Dean Snyder, Good Hope, Ill.
Oct. 1—(Night sale) Fred Goodchild and Sons, Mallard, Iowa.
Oct. 3—(Night sale) McGuire Hampshire Farm, Wisner, Nebr.
Oct. 4—Allen Lang & Son, Brooklyn, Ia.
Oct. 4—(Night Sale) C. T. Keen & Son, Le Grand, Ia.
Oct. 5—(Night Sale) Letton Bros., Alden & Iowa Falls. Sale at Iowa Falls, Ia.
Oct. 7—O. W. Jones & Son, Ute, Ia.
Oct. 8—(Night Sale) John Volk & Sons, Battle Creek, Nebr.
Oct. 10—(Night Sale) Keith Robertson, Columbus Jct., Ia.
Oct. 11—(Night Sale) Dale McGraw, Pleasantville, Ia.
Oct. 12—(Night sale) Lee Norris, Fremont, Iowa.
Oct. 17—(Night sale—Carl & Sylvia Matheson, Nequoset, Ill.
Oct. 17—(Night Sale) Hardesty Hampshire Farms, Corning, Ia.
Oct. 19—Harry Knabe, Nehawka, Nebr.
Oct. 21—(Night Sale) Daggett & Southoltz, Sale at Marshalltown, Ia.
Oct. 22—(Night Sale) Cecil Wilson, Lenox, Ia.
Oct. 24—(Night Sale) Fred Michaelsen, Ida Grove, Ia.
Oct. 25—(Night Sale) Lawrence Putney, Gladbrook, Ia.
Oct. 26—(Night Sale) Evertt Maahs, Walton, Nebr.
Oct. 29—(Night Sale) El-Jon Farms, Rose Hill, Ia.

LANDRACE HOGS

Oct. 15—G. N. Knickerbocker, Radcliffe, Iowa. Sale at Iowa Falls, Iowa.

MEAT-TYPE HOGS

Sept. 12 to 17—(Private sale) Meat-Type Boars, McAllister Seed Farms, Mt. Pleasant, Iowa.

POLAND CHINA

Sept. 21—Louis Ruess & Sons, West Liberty, Iowa.
Sept. 22—(Night sale—Brown and Brown, Hampton, Iowa.

ANGUS HILLS REGISTERED ANGUS REDUCTION SALE

Sale at 1:00 P. M., at Putnam County Fair Barn

Unionville, Mo., Tuesday, Sept. 20

9 BULLS — 18 COWS

All cows have calves at side, or are near to calving. The bulls, and all the calves are by our senior herd sire, **PRINCE OF BLS 20th** 1622424.

FAMILIES SELLING ARE: Miss Quickly Queen Mother, McHenry Barbara, Nisbethill Miss Burgess, Ericas, and others. The calves will be offered separate from their dams, for the benefit of 4-H and F.F.A. members. Send today for your **FREE** catalog. Please mention this publication. Address

I. T. AND ANNA VINCENT, GREENTOP, MISSOURI
Auctioneer, Ray Sims

POLANDS

Sept. 22—Elwood & Orvan Oberlch, Rolfe, Iowa.
Sept. 29—(Night sale) Evergreen Farms, Columbus Junction, Iowa.
Oct. 6—(Night sale) Eugene Dugan & Sons, Storm Lake, Iowa.
Oct. 7—(Night sale) Floyd Friedow & Sons, Kanawha, Iowa.
Oct. 14—Helgens Bros., Monticello, Iowa.
Oct. 15—Iowa State Breeders Show and Sale, Nevada, Iowa. Fred W. Moorgan, Secy., 5801 College Ave., Des Moines, Iowa.
Oct. 19—(Night sale) Vernon Kvale, Beaver Creek, Minn.

TAMWORTHS

Sept. 9—Propst & Piper, R. 3, Iowa City, Iowa.
Sept. 10—Iowa Tamworth Association, Waterloo, Iowa. T. H. Bowers, Secy., Malcom, Iowa.
Sept. 12—(Night Sale) Floyd Cre" Farm, Walter Kruse, Sheldon, Iowa.
Sept. 19—J. H. Jones, Ainsworth, Iowa.
Sept. 24—Minnesota State Tamworth sale, New Ulm, Minn. L. De Vangenest, Secy., Kenyon, Minn.
Sept. 26—(Night sale) Lee Winther, Wisner, Nebr.
Sept. 29—Paul Leaming, Polk City, Iowa. Sale at Ankeny, Iowa.
Sept. 30 - Oct. 1—National Type Conference Show & Sale, Cedar Rapids, Iowa.

YORKSHIRES

Sept. 9—(Night sale) Paul Behn, Postville, Iowa.
Sept. 17—Alfred Accola, Huxley, Iowa. Sale at Ankeny, Iowa.
Sept. 21—(Night sale) Henderson Farm, Coin, Iowa.
Sept. 27—(Night sale) Herlan Hanks, Oakvale Farms, Winnebago, Minn. Sale at Blue Earth, Minn.
Sept. 29—(Night sale) Merritt Cook, Nemaha, Iowa. Sale at Spencer, Iowa.
Oct. 5—(Night sale) F. L. Jackson & Sons, Lytton, Iowa.
Oct. 6—(Night sale) Eugene Dugan & Sons, Storm Lake, Iowa.
Oct. 8—(Night sale) Leo M. Rigief & Sons, Guthrie Center, Iowa.

PONY SALE

Sept. 19—Stewart & Payne Pony Farm, Yankton, So. Dak.

SHEEP

Sept. 10—Iowa Corriedale Assn., Hedrick, Iowa. Stanley Watts, Secy., Murray, Iowa.
Sept. 17—Iowa Corriedale Assn., Mount Pleasant, Iowa. Stanley Watts, Secy., Murray, Iowa.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office 3-6181; Res. 7-3845.
THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 125.
ARCH STONE, 1912 Grand Ave., Des Moines. Phone: Office 3-6181; Res. 9-6955.
We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Yorkshire Sale

Sale at Farm

POSTVILLE, IOWA
FRIDAY, SEPTEMBER 9th
Night Sale, starting at 8:00 P. M.

25 BRED GILTS
23 SPRING BOARS

Best **MEAT-TYPE . . . TOP** quality offering, from large litters. They will please. Plan to attend. Ask now for **FREE** catalog.

PAUL BEHN
POSTVILLE, IOWA

POLAND SALE
BOARS AND GILTS

WEST LIBERTY, IOWA
WEDNESDAY, SEPTEMBER 21

40 BIG BOARS
35 CHOICE GILTS
50 July Feeder Pigs

All well-grown, with stretch and width, the genuine **MEAT-TYPE**, by **VICTORY PRIDE, MASTER PRAIRIE BOY, ENRICHED BANNER 2nd** and **LIBERATOR BOY**. Best in breeding. (More details next issue.) Ask now for **FREE** catalog. Mention this publication.

LOUIS F. RUESS & SON
WEST LIBERTY, IOWA

Ardmore's Tamworths
BOAR AND SOW SALE

4-H Grounds

IOWA CITY, IOWA
FRIDAY, SEPTEMBER 9th

65 HEAD
15 BRED SOWS AND GILTS
20 ATTRACTIVE OPEN GILTS
30 TOP, RUGGED BOARS

Rich breeding, wonderful quality, ideal type. Well-grown. They will please. Ask now for **FREE** catalog.

PROPST & PIPER
R. 3, IOWA CITY, IOWA

TAMWORTH SALE

Sale at farm near

AINSWORTH, IOWA
MONDAY, SEPTEMBER 19th
Starting at 1:00 P. M.

35 BOARS — 25 GILTS

Selected with care from one of the leading herds, well-grown, the **MEATY TAMWORTHS**, sired by **MILLVIEW BILL I**, a great breeding boar; **JONES JEFF**, a North Carolina boar with quality. We offer **J's ROSE 22nd**, Senior Spring Gilt and Champion at 1955 All-Iowa Fair. They will please the most critical buyers. **COME!** Ask now for **FREE** catalog.

J. H. Jones, Ainsworth, Iowa
Auctioneer, Dwaine Clark

WINTHER TAMWORTH SALE

Mon. Night, Sept. 26
Sale at 7:30 P. M. at the Farm

Wisner, Nebraska

SELLING 50 TOP BOARS

Sired by:

MAINLINE
MEADOWBROOK MAC

Feature attractions will be the sons of **MAINLINE**, one of the great boars of the breed. Included are two linebred **MAINLINE** litters, outstanding individuals.

The offering has lots of size for age, and are meat-type hogs. An offering by top boars, and from an outstanding sow herd. All are vaccinated for Cholera and Erysipelas, and are guaranteed to pass the Bangs test. Offering guaranteed breeders.

Plan to see our show herd at Wisconsin, Ohio, Indiana and Nebraska State Fairs. Send today for your **FREE** catalog. Please mention this publication. Address

LEE WINTHER, WISNER, NEBRASKA
Auctioneer, Clark & Kane — Arch Stone, Fieldman

LEAMING'S TAMWORTHS
and
INTERNATIONAL CLUB SALE

(Located 10 miles North of Des Moines in the new comfortable sale pavilion at)

ANKENY, IOWA
THURS. SEPT. 29th
Starting at 1:00 P.M.

20 TOP BOARS 30 CHOICE GILTS

14 top boars and 20 excellent gilts selected from LEAMING's Tamworths, and the pick from over a 1,000 litters farrowed this spring.

SPECIAL ATTRACTION—Boars and gilts from linebred litters by CITY VIEWER 2d, outstanding son of Nauton Modern Prince 7th Imported English boar.

BOARS AND GILTS—From a litter of 16 with 14 raised. The truly prolific kind. Remember MEADOWBROOK MAC, the $2,400.00 boar, heads the herd of Leaming's Tamworths.

INTERNATION CLUB'S CONSIGNMENT—6 boars, 10 open gilts by **Meadowbrook Mac** and out of the $800.00 Tamworth sow and some from the litter mate to the $1,000.00 sow.

BRUCELLOSIS Tested, entire offering inspected and approved by a licensed Veterinarian and are healthy. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

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Or Ora Van Heeswyck, Lacona, Iowa
LEAMING'S TAMWORTHS—INTERNATIONAL CLUB
Auctioneer, Dwaine Clark — J. E. Halsey, Fieldman

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Located 4 miles west of Kenosha, Wis., on No. 50, or 4 miles east of No. 41 on No. 50

KENOSHA, WIS.
SEPTEMBER 17th

531 HEAD
Purebred and High Grade

127 Cows and Calves
45 Cows, close to calving
44 are registered, others purebred but not recorded
85 Open Heifers from 10 to 18 months old
85 Angus Steers, 10 to 18 months old
7 Registered Bulls, 1½ years to 3 years old

FRED RUDY originally purchased foundation stock from "Chicago Tribune Farms," Yorkville, Ill., and "Red Top Farms," Libertyville, Ill. Rich breeding include **EILEEN-MERE, PRIZEMERE, BARDOLIER** and **BANDOLIER**. Your opportunity, foundation cattle, a few head or large numbers. Inspection invited prior to sale.

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Semi-Annual Sale

PUREBRED ANGUS

(Forrest Livestock sale pavilion)

Forrest, Illinois
Saturday,
September 17th

7 TOP QUALITY BULLS
48 RICHLY-BRED FEMALES

Choice individuals, rich in best blood lines, selected with care from the leading herds of this District, where top quality ANGUS are produced. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

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PIPER CITY, ILLINOIS
Corn-Belt Angus Breeders Assn.

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BENNINGTON, NEBR.
SATURDAY SEPT. 10th
Starting promptly at 12:00 Noon

43 REGISTERED HOLSTEINS

20 High Grade Milking and Springer Holsteins
20 Cows, 8 senior yearlings
6 heifers, 2 bulls calves
2 yearlings, 4 Juniors and 1 3-year-old bull

Records on registered cows from 450 lbs. to 700 lbs. fat.
All cattle T.B. and Bangs tested

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HOGS—6 registered Chester White sows with litters. 15 gilts, 35 shoats from 75 lbs. to 150 lbs. 1 Senior and 2 Junior boars. Vaccinated for Cholera.

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BENNINGTON, NEBR.
Auctioneers: Chas. Taylor and Martin

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Sale at farm, 1 mile east and 4 miles south of

WAYLAND, IOWA
WED., SEPT. 21, 1955
Night Sale starting at 7:30 P. M.

40 BOARS — 40 GILTS

For our **25th** sale we have the genuine **MEAT-TYPE** hog in demand today. All well-grown, with type and quality, sired by **MISCHIEF GOLD** 615613, **WESTERN MODEL 1st** 666021 and **NEW STYLE** 640277. The No. 1 litter is outstanding, 5 boars and 4 gilts by **MISCHIEF GOLD** and **MAIDEN MODEL**. They will please. Ask now for **FREE** catalog. Kindly mention this publication. Address

E. R. BRENNEMAN & SONS
WAYLAND, IOWA

AUCTION

AT AUSTIN, MINN.

All winning pure-bred boars and gilts of the NATIONAL BARROW SHOW

Wednesday — September 14, 1955
3:30 p.m. Berkshire
5:00 p.m. Chester White
6:30 p.m. Hampshire
8:00 p.m. OIC
9:30 p.m. Spotted Poland China

Thursday — September 15, 1955
3:30 p.m. Poland China
5:00 p.m. Yorkshire
6:30 p.m. Tamworth
8:00 p.m. Duroc
9:30 p.m. Hereford

TOP QUALITY . . . ATTRACTIVE PRICES

ACCOLA'S
ENGLISH YORKSHIRES

"King of the Carcass Class"

BOAR AND GILT SALE
Sat. Night, Sept. 17, 7:30 P. M.
Sales Pavilion — Ankeny, Iowa
WRITE FOR CATALOG
Alfred Accola, Huxley, Iowa
"Home of the Brocades"

HOLSTEIN DISPERSAL

At farm, located 40 miles northeast of Cedar Rapids and 4 miles southeast of

HOPKINTON, IOWA
WEDNESDAY, SEPTEMBER 21

50 HIGH PRODUCING CATTLE
20 Close Springers. 12 Bred Cows and Heifers to freshen late winter and spring. Other heifers and calves.

D.H.I.A. records of 500 lbs. and over on **2X** milking. 1st, 2nd and 3rd generation of artificial breeding animals to sell. Past 9 years have used services of Eastern Iowa Artificial Breeding Assn. exclusively.

DAIRY EQUIPMENT: 4 unit Surge milker, 12 can Westinghouse cooler, 24 stainless steel cans, etc. Circular of Production Records on request.

William H. Welter, Hopkinton, Iowa

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FEED **KENT**

FRED ROBERTS SAYS:
Junior feeders: Kent Calfgo is a perfect nurse cow replacer and Kent 4-H Rations will keep your calf doing good. Remember to keep hooves in good shape.

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Angus heifers make
SUPERIOR MOTHERS

Less calving trouble
Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk
Angus cows are alert, aggressive mothers . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

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Now offering a nice selection of 1953 Heifers and Bulls. All popular families and sired by our proven Herd Bulls, headed by **R. L. S. PRINCE ERIC 18th.** Can also spare some cows with calves at foot. See us or write your needs.

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Melbourne, Iowa

PINEHURST ANGUS
"The Original Home of Bandoliers"
These top sires:
BANDOLIER 61 OF PINEHURST
By Bandolier Belmar 53rd
BANDOLIER 4th OF BATES
By Bandolier of Prospect 2d
Mated with 75 outstanding breeding cows. Young cows, bred and open heifers for sale.
HENRY SCHMUCKER & SONS
Amana, Iowa
Farm 2 miles north of Amana on No. 149

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PRINCE QUALITY OF SUNBEAM
His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. **BAR QUALITY M. B.** by Prince Quality of Sunbeam, **RAONA'S PRINCE ERIC 21st** by R.L.S. Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S. W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.
MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

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BULLS FOR SALE
Sons of
EILEENMERE W. B.

Grandson of Ellenmere 487th and Ellenmere Eric by **KILLEENMERE W. B.** They are **12** to **24** months old, ready for service. Herd bull prospects for Breeder or Farmer. They will sire top cattle. Visit farm any time.

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DONAHUE, IOWA
HERD SIRES:
BANDOLIER 40th OF WILTON
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FEMALES of most popular families. Visit farm.
DR. G. E. BLOCK
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A few choice registered cows with calves. Also top young bulls, ready for service. Rich breeding, ideal type, excellent quality. Priced to sell. Act Now. (Farm 5 mi. S., 1 mi. E.) Phone Huxley 1219.

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WINTONIER OF DEN-MOR

HERD SIRES:
Wintonier of Den-Mor, top son of 1941 International Grand Champion.
Shadow Isle Prince Eric 127th, son of Prince Eric of Sunbeam and ½ brother to three International Grand Champions.
We strive for top notch individuals, combined with outstanding pedigrees, coming from good families. Priced reasonably. Bulls and Females for sale at all times.
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Have some real good bulls by **Black Knight 75th of AV** and **Elleenmere W 484th.** They are short legged, thick, with exceptionally good heads.
Also a few heifers from popular families.

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Wesley, Iowa BLACK KNIGHT 75th of AV

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"The Home of The Beldeliers"

Choice rugged bulls now offered, ready for service. Herd Bulls: **PRINCE BARBOLIER,** and **BARON OF BORDULAC** by General of Bordulac. Cow herd rich in **BARDOLIER** breeding, the blood lines producing top cattle. Visit farm any time.

John W. Aumon & Son, Marion, Iowa
Farm 9 mi. north of Cedar Rapids on Highway 150

FEEDER CATTLE
44,000 CATTLE
33,000 Calves—11,000 Yearlings
Will sell in Missouri Cooperative Feeder Cattle Sales, September 13 to October 15, 1955. For catalog write
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Western Range Stocker & Feeders
Bought on order at the Omaha Stock Yards. All transactions under Government supervision and stock weighed on Government inspected scales. Write
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FOREST GROVE FARM
One of Iowa's best herds of
HEREFORD CATTLE

Bulls in service
WHR Puritan Mixer 1st
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Champion Open Class 1951 Iowa State Sale, by Pioneer Lad 2d, Champion 1948 Iowa State Sale. Choice young bulls for your inspection. Farm 6 miles east, ½ mile south.
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PAUL WOLF, Manager

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Herd Established in 1924
30 very choice rugged bulls suitable for Herd Bulls, Carlots or groups to please.
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ROBERT • GILES • LESTER
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Quality Hereford Cattle
JOHN DITTMER & SONS, LACONA, IOWA

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Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for bangs. Sired by **TH LARRY ONWARD 35th** 6745189, son of Thorp's famous TW Larry Onward 13th. Reasonable.
JOSEPH A. SKOW WESLEY, IOWA

Double AA Hereford Farm
Offers choice Registered Horned HEREFORDS, sons of **GOLDEN ASTER 55th** 672891. Visitors always welcome.
ARTHUR E. ADER ROLFE, IOWA

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CURRAN POLLED HEREFORDS
For Immediate Sale

Choice Herd Bull prospects by **CSF CHOICE DOMINO 2d.** Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

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WESTHAVEN PLACE

WP Conqueress 44th

Breeding stock, both bulls and females, all ages, for sale at all times.
HERD BULLS
CAPTAIN PLATO 61st
MCV DOMINO
GPN PLUS PERFECT 4th
WP CONQUEROR 30th
Always welcome at our farm.
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We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.
Headed by: **BATTLE MIXER, P. ANXIETY ASTER.** Come look them over.
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Good growthy Polled Hereford bulls sired by Modest C Lamplighter 7th for sale.
ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

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MODERN TYPE SHORTHORNS
Buy the blood of champions
N-BAR PRINCE
International Grand Champion
KILLEARN MAJOR
The sire of champions in the strongest competition. Quality breeding stock available.
W. C. ANDERSON & SON, West Liberty, Iowa

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SHADYBROOK FARMS
The place to buy that better Polled Shorthorn bull for less money, with that extra weight for age. Sired by our two herd bulls that weigh well over a ton each.
BERT A. HANSON, VERNON CENTER, MINN.
Farm 30 miles north of Iowa line on U. S. 169

POLLED SHORTHORN BULLS
10 choice bulls for sale, **6** to **20** months old by **HIGHLAND EXCELLENCE** and **CEDARVALE SENSATION.** REASONABLE.
S. B. HUDSON & SONS KNOXVILLE, IOWA

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LIVESTOCK FOR SALE
Saddle Horses—young registered.
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Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.
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WISCONSIN AND MINNESOTA Dairy Cattle. Choice **HOLSTEIN** and **GUERNSEY** dairy heifers from **350** to **900** lbs. All heifers sold by the pound. **HOLSTEINS 13c** per lb. and **GUERNSEYS 12c** per lb. Also spring heifers and cows. Most these heifers are from artificial breeding and a large number of them are calfhood vaccinated. Buy from the largest dealers in the Northwest. Write or call.
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Wisconsin Holstein-Guernsey
Dairy heifers shipped to you on **APPROVAL** from **WISCONSIN** high production herds. Don't be misled, buy direct. Ask for **FREE** price list.
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WISCONSIN'S GOOD QUALITY
HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
Any age. Will deliver any sized order on approval by truck
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WISCONSIN HOLSTEINS AND GUERNSEYS
CHOICE COWS, HEIFERS AND CALVES
Delivered on approval.
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TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.
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HIGH GRADE HOLSTEINS
Choice springing heifers and cows, also open heifers and bred heifers. T.B. and BANGS tested. Order buying a Specialty. Phone 3895.
RICHARD D. JOHNSON
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HOLSTEIN HEIFERS
We are offering finest quality, beautifully marked heifers, at **13½c per lb.,** tested, ready for delivery. You would like these.
ED HOWEY SOUTH ST. PAUL, MINN.

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MONTH OLD FOUNDATION HEIFERS.
Tested. Delivered your door collect. **50** or more on hand. Inspection invited.
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AYRSHIRE BULLS AND FEMALES
Choice registered young cows and bred heifers, due soon, bred to outstanding sire. **400** to **500** lbs. fat. Also heifers and several top young bulls. 15 years of breeding. (Farm 2 miles south, 1 mile east of Raymond, Iowa. Phone 4-9292 Jesup.)
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Choice registered bulls, serviceable age. Dams have official **H.I.R.** records. Dehorned. **Reasonable.** (Farm 6½ miles north of Latimer.)
MR. & MRS. A. B. FREIE, ALEXANDER, IA.
West Star Farm

JERSEYS
JERSEY BULL
Ready for service April 17, 1954. Sire, proven 507 lbs. on 16 daughters. Dam, D.H.I.A. record 8,838 milk, 507 lbs. fat, 319 days, 3 years. Both Classified "Very Good." Also several young cows. REASONABLE.
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RAISE *MILKING SHORTHORNS* for *GREATER PROFITS!*

With economic conditions tightening up you NEED Cattle that have enabled farmers to put money in the bank for years and years. Milking Shorthorns are DEPENDABLE. They've made money for your Grandparents and their Grandparents before them! That's because they are the most PRACTICAL breed in existence. They convert home-grown feeds and roughage into milk, meat and butterfat most economically. Milking Shorthorns are BIG, STRONG, RUGGED. You get 4% milk and greatest salvage value of all milk breeds. Their TWO-WAY bargaining power plus greater saleability of calves means greater security under ANY world conditions. Subscribe to MILKING SHORTHORN JOURNAL **now!** Published monthly. **Only $1.00 for six months, $2.00 for full year, $3.00 for three years.** Send money TODAY or write for **FREE** facts!

FREE FACTS

AMERICAN MILKING SHORTHORN SOCIETY
313-WFS S. Glenstone Springfield, Missouri

Illinois Northwest District
Milking Shorthorn Sale
Pecatonica, Ill., Sat., Sept. 24th
40 FEMALES — 5 BULLS
Selected from leading herds, a few from the famous Rock County, Wisconsin, herds. Ask now for **FREE** catalog. Address
Cecil Whittaker Toulon, Illinois

Polled Milking Shorthorns
Polled Milking Shorthorns
FOR SALE
3 cows giving milk, 3 bred heifers, and 5 heifer calves from 2 to 4 months old. Also 5 bull calves from 1 to 4 months old. Come soon.
SIG OTDOERFER, Rt. 3, Strawberry Point, Iowa

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DUROC JERSEYS
DUROC BOARS AND GILTS
Choice February and March farrow. Well-grown, with length and quality. Rich breeding.
REASONABLE.
ELMO PFANDER CLARINDA, IOWA

HAMPSHIRES
OUR 35TH
MEAT HOG SALE
YORKSHIRES AND HAMPSHIRES
Radio Sale Pavilion
SHENANDOAH, IOWA, SEPT. 21st
Night Sale starting at 7:30 P. M.
75 HEAD
Prize-winning, Production Tested Purebred seed stock. Ask for **FREE** catalog.
HENDERSON FARM COIN, IOWA

HAMPSHIRE SPRING BOARS
85 choice Purebred Boars, large, rugged, **MEAT-TYPE** individuals with quality, by **SPECIAL PATROL** 628453. Suitable for breeders and farmers. (Farm 2½ miles south.)
ROY A. STRUVE MANNING, IOWA

LIVESTOCK NEWS

FIELD DAY CORRECTION

Date of the Southeast Iowa Polled Hereford Breeders field day will be Sept. 10, not Sept. 17, as previously reported. Site is the John and Alice Campbell farm near Tiffin, Iowa.

The **National Duroc Congress** show and sale held at Cedar Rapids, Iowa, July 28-30 attracted a large crowd from many states in spite of the extreme hot weather.

The outstanding part of the event was the big improvement showed in their meat type qualities. The quality of the spring boars was outstanding, and it ran well down the line. In the sale, the 54 head averaged $262 with the top 20 head making an average of $536.

The champion boar was lot 10, Champion Clipper, shown by Tracy Brothers, Williamsville, Ill. He sold in the sale for $4,000 to K. A. Ranch, Clarksdale, Miss. The reserve champion was lot 50, Congress Captain, from the Iowa herd of Hugh Louden & Son, Grinnell. The same buyer took him for $1,000. The third high was $745 paid for lot 19, the Kline & Kline entry of Camden, Ohio. Buyer was P. H. Payne of Idaho.

In the bred gilts, the 23 prize winners averaged $220 and the 37 head $173. The champion was lot 13, Starlett Babe, from the herd of John N. Urish, Green Valley, Ill. She sold in the sale for $600 to Greg McCain, Tipton, Tenn. C. W. Bartholow & Son, Washington, Iowa, won the reserve with lot 18, Leader's Majesty. Her buyer was James Stratton, Fontana, Cal., for $425.

There was a large offering of spring gilts and some outstanding individuals among them. They had substance and size. The champion of this division was lot two, Daisy Bell, from C. J. Weish & Sons, Mooresville, Ind. Her buyer C. J. Middleton, Clayton, Mich., paid $600 for her. Foster 4 Star Farm, Mayfield, Ky., showed the reserve champion with lot 54, Majesty Lady, and her buyer was M. W. Wiltse, St. Charles, Minn., for $425. The 21 prize winners averaged $163 and the 81 head $101.

Secretary B. R. (Bing) Evans, Earl Judd and all the rest of the people working for the association did a fine job. The auctioneers for the sale were Guy Pettit and John Hall.

International Dairy Show

Entries close Sept. 12 for the International Dairy Show to be held at Chicago, Oct. 8-15. A total of $6,500 in cash prises will be offered in open and junior classes in the Ayrshire, Brown Swiss, Guernsey, Jersey, Holstein, and Milking Shorthorn classes.

Premium list may be obtained by writing to: International Dairy Show, Union Stock Yards, Chicago 9, Ill.

Many of the nation's leading **Hampshire** breeders from 24 states were on hand at the National Type Conference and sale July 31 and Aug. 1 and 2, at Indianapolis, Ind. Much interest in the very educational program was shown, and demand thruout the auction was strong. Averages were as follows:

20 boars averaged $382
35 bred gilts averaged $205
38 open gilts averaged $153
93 lots averaged $222

Top price of the auction was $2,500 paid by Cedar Point Farms, Easton, Md., for Modern Jet, consigned by Andrews and Baughn, Bloomingburg, Ohio. This outstanding spring pig, a son of Western Jet, was champion boar. His littermate sister, Jet's Proud Lady, was champion gilt, and sold to Treasure Acres, P. L. Benshoof, Blairsburg, Iowa, at $600.

Walsh Brothers, Beloit, Wis., paid $700 to own the top selling gilt, a bred fall gilt by Jubilee Medal, consigned by Treasure Acres. Reserve champion honors in the gilt division went to Mighty Dixie Ghost, a bred daughter of Western Ghost consigned by David Soldwedel, Pekin, Ill., and selling to William Shelton, Nottingham, Penn., for $410.

Ralph S. Wilson, Burlington, Wis., brought out the reserve champion boar, Lord Master by Lord Edward, selling to Fritz Stratman and Gordon Reilly, Dodgeville, Wis.

Cols. G. H. Shaw and Mark Pickel cried the sale.

There were some real bargains at the **F. L. Jackson & Sons Yorkshire** bred sow and gilt summer sale Aug. 3. Those who attended the annual event were able to buy the offering at an average of $113.

Two lots were top sellers at $200 each. Ransom and Helms, Fort Dodge, Iowa, paid $200 for Gunn's Mana, an imported daughter of Milehouse Basil 3d Vol. Alex Anderson, Newell, Iowa, paid the same price for her daughter by Kelmscott Canadian Boy 1092G.

Altho prices were not high, the offering sold into three states, Iowa, Minnesota, and Illinois. Col. Jim Morris cried the sale.

A fairly large crowd from a four state area, Missouri, Kansas, Iowa, and Georgia, braved 100 degree plus weather to attend the **Bliss-Flinn Hereford** dispersion sale at Garden City, Mo., July 29 and 30. Altho prices were not high, demand was strong thruout the auction, and averages were as follows:

29 bulls averaged $362
217 females averaged $173
246 lots averaged $197

Top price of the auction was $2,250 paid by Dixie Hill Hereford Farm, Fairburn, Ga., for CK Clipper D. 68th, a February '51 son of CK Cruiser D. 33d. Three bulls brought $500 each. J. E. Cipra, Cromwell, Iowa, paid $500 for BK Royal Duke 1003d. Ray De Lante, Onawa, Iowa, paid the same price for BF Helmsman 84th, and K. B. Ranch, Iconium, Mo., paid $500 for WHR Helmsman 133d.

Dixie Hill also took home the top selling female, BF Countess 88th, an April '53 daughter of the "133d." BF Countess 80th, a daughter of "133d," and her bull calf by CK Clipper D. 68th, brought $337.50. John Temple, Higginsville, Mo., paid $137.50 for the calf, and Harlin Chitty, Adrian, Mo., took the cow at $200.

Cols. Jewett Fulkerson and Ray Sims cried the sale which was managed by the Fulkerson Hereford Sale Service.

The **Warren Dankel Yorkshire** sale the night of July 29, at the farm near Glidden, Iowa, drew a very good attendance in spite of the severe hot weather. He presented a fine offering of bred sows and gilts, and the 36 head sold for a general average of $100 each. His outstanding fall boar, Bon Ton Champion Boy, a son of Kelmscott Canadian Boy, strongly impressed those who saw him. The only gilt mated to him was lot 15 and sold for $155 to F. L. Jackson & Sons, Lytton, Iowa. Shangro La Precious H55, a two-year-old sow and bred to Kelmscott Canadian Boy, topped the sale at $210 and was secured by Pulliam Sisters, Blair, Nebr. Lot 20 went at $152.50 to Frank Ryben, Bennington, Nebr. Mr. Ryben also paid $120 for lot six. Lot one was secured by Amos Roetman, Hull, Iowa, at $100. Lot 23 went to Stanley Sorensen, Melvin, Iowa, at $102.50. Auctioneer was Jim Morris.

Being too generous with milk when handfeeding calves can lead to serious trouble. One pound milk per day for each 10 pounds of live weight is recommended. This should be divided into two equal feedings.

Vaccination against bluetongue in sheep is the most reliable method of control. Veterinary authorities say that at the present time eradication of the disease is not considered feasible.

Anyone who buys a piece of land or operates a farm should find out what kind of soil he has and what to expect of it.

Using a combine to pick and shell corn saves the investment in a picker, lessens the danger to the operator and eliminates shelling at the crib.

HAMPSHIRES

HAMPSHIRES

Genuine **MEAT-TYPE** Boars and **Gilts**, with length, ruggedness and quality at private treaty, by **SPECIAL IDEAL, GLENDALE CHARM 2nd** and **KING TIP.** Best in blood lines. Act Now. Reasonable.

EMERY RIEMENSCHNEIDER
PIERSON, IOWA

HYBRID HOGS

McCurdy's Special

HYBRID BOARS

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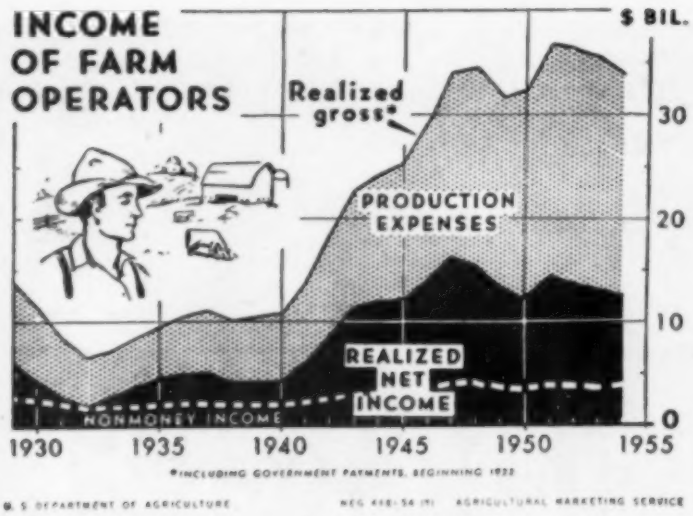

Chart shows gross and net farm income for all farm operators of the U. S. from 1930 to 1954. Changing price level, of course, accounts for part of the increase since the thirties. Notice that farm operators net income reached a peak in 1947. There was a lower peak in 1951, and since that time the trend has been toward lower levels. This trend will continue in 1955.

What's Ahead...

CHANCES ARE that the drouth has not cut the corn crop enough to change the surplus situation much nationally. No sharp corn price reaction now seems likely.

Homer Hush

Reasons are that corn crop damage from heat and drouth has been mostly west of the Mississippi River. Eastern Corn Belt and the South have good crops. And the big oats crop is already in the bins.

But since the corn crop was hurt most right in the cash corn country where lots of "free corn" originates, the prospect of corn prices as low as $1.00 or $1.10 this winter has become less likely.

The next crop report, however, will be out in about a week. That will permit a better appraisal of the feed situation. Points to watch are reductions in corn and grain sorghum estimates.

HOGS AND CATTLE will crowd markets this month if Iowa farmers' intentions indicate the national trend.

Iowa producers say they will sell 1,600,000 hogs this month. That would be a record high for September. Total indicated is 13 percent above September, 1954, and 35 percent above the five-year average.

Iowa farmers say they will market the same number of cattle this September as they sold last September. If intentions are carried out, total will be 31 percent above the five-year September average.

SOYBEAN GROWERS may be headed for trouble on grades this fall. U. S. Department of Agriculture has reduced the amount of foreign material allowable in beans by one percentage point in each grade. Number one beans can have only one percent. Number two beans, two percent.

Elevator men say foreign material has been up to limits under the old standards, when two percent foreign material was allowed in number one beans and three percent in number two beans.

Farmers who have weed-free fields and operate the combine carefully may avoid trouble at combining time.

THE USUAL SEASONAL rise in fed cattle prices has not appeared as yet. Big number of cattle in feedyards indicate that the price increase, if any, will be small compared to last year's bulge at this time of year.

If fat cattle prices fail to show any seasonal gain, the weakness will be reflected in stocker and feeder cattle prices. This factor, along with drouth damage to corn, suggests the possibility of lower feeder cattle prices.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

WHAT TO DO about our declining pork market will be considered from different angles September 22 at a pork clinic called by the Iowa Farm Bureau. Aims at this meeting, according to Stan Nicol of the IFBF, are to plan midwest support for a fall pork promotion campaign, to encourage farmers to market this year's spring pig crop at the right weight and in an orderly manner, and to let producers and others know what the packers are doing to stimulate the production of more meat-type hogs.

ONE WAY to fight a declining pork market is to use the Walnut Grove Life-Cycle Feeding Program. You'll save more pigs . . . eliminate the runts . . . and get your hogs to market for less cost. Fred Dressler of Anita, Iowa, raised 164 head of spring pigs on the "4x4" program. His hogs went to market at 5½ months, averaging 208 pounds. But most important is cost—only $20.17 per hog. That's less than 10 cents per pound! Don't lose money this fall, feeding hogs the "old way." Call your Walnut Grove representative and let him show you the "4x4" Life Cycle way.

PROMOTION of the beef and vegetable partnership was successful last fall so it will be repeated again this year. To be called "Harvest Festival," tying in fall beef with fresh vegetables, the promotion will be pushed by the combined industries, the Department of Agriculture and the National Livestock and Meat Board. It starts September 8.

SPEAKING OF BEEF, have you heard about the results of thousands of Corn Belt feeders who are using "4x4" Beef Supplements? They say "4x4" means lower feed costs . . . choice beef on 25 to 30 bushels less corn . . . gains cost only 17 to 20 cents per pound, depending on the type of ration fed . . . and cattle gain up to 3½ pounds per head per day! Are you doing that well? You can with "4x4" because "4x4" Beef Supplements are scientifically prepared to feed the rumen bacteria. They help your cattle get extra gaining power from low cost roughages. It's economical, too. You feed only 1 to 1½ pounds per steer per day. Make your beef pay —the "4x4" way.

HARVEST OF HOPE . . . a catchy name for a project that ought to catch on. Sponsored by Iowa's labor organizations and service clubs, the idea is for farmers having large quantities of fallen corn after harvest to send in their names. Volunteer workers will be recruited to glean the fields on a 50-50 share basis . . . with workers' share going to the Iowa Society for Crippled Children. They plan to start work November 5th and hope to pick up a lot of the estimated 25 million bushels of corn usually left on the ground after harvest.

MANY OF US think of Iowa as nothing but a corn-hog state. But over 62% of all Iowans earn their living in non-agricultural work. Recently, there has been a 2.2% gain in non-farming employment in Iowa. Seems to mean that farmers are, more and more, becoming a minority group—but not less important. Matter of fact, fewer farmers producing better food for more consumers means that each individual farmer is becoming more important.

THE IOWANS returning from the tour of Russia have been reporting interesting observations. Marion Steddom of Granger tells of seeing some 600-lb. hogs . . . says they need the fat. They all noted labor is plentiful there. At any rate, there were many workers in every field, more than we use. Steddom surprised the Russian hosts by telling how he and two men raise some 1,000 head of hogs a year. Those from Russia touring this country were likewise amazed that we produce so much. The secret is our good land and machinery, superior livestock feeds and production techniques . . . and the individual incentive to produce.

YOU CAN SAVE up to $4 per pig in the first eight weeks! How? By using the famous "4x4" early weaning program for your fall litters. Early weaning saves the extra cost of feeding nursing sows and gives you heavier pigs—up to 55 pounds at eight weeks. Getting rid of the sows earlier saves you work, too. The pens are easier to clean. You'll have more time for other jobs. Call your Walnut Grove representative today and let him show you how "4x4" Pig Pre-Starter and "Baby 4x4" Creep Supplement or "4x4" Pig Toasties can save you money and work.

THIS BUSY MONTH of September also includes the Soil Conservation Days and National Plowing Matches over in Indiana, scheduled the 14th through the 17th in Wabash county. Several Iowans will be attending. Many will be there from Jasper County, Iowa, where the National Farm Field Days will be held a year from now, along with the state's champion plowmen. And, Owen Jorgenson of near Guthrie Center, last year's national contour runner-up, will be back in competition. Jorgenson is hoping to bring the big trophy back to Iowa.

IT WON'T BE too long before colder weather comes. And that brings to mind a reminder from Gene Shove, an agricultural engineer at Ames, that dairy cattle need a comfortable place during winter months. When figuring space needed to store bedding, he says a ton of chopped, long-cut hay fills 250 cubic feet, and one ton of loose straw fills 512 cubic feet.

THOSE DAIRY CATTLE have always got two jobs at once—maintaining good health and either making a calf or producing lots of quality milk. That's why they need a high-grade ration containing "4x4" Dairy Supplements. "4x4" supplements turn grain and roughage into the nutrients your dairy cattle need. Cut feed costs and make more milk. And "4x4" is a body builder, too. Fed with a good ration, it helps build and maintain sound cows through the milking period—helps produce stronger, more vigorous calves. Treat your dairy cattle right. Start feeding them "4x4" Dairy Supplements right now.

SOON NOW the report of this year's performance of oat varieties will be announced. Might be a good idea to wait for that before thinking about buying next year's seed. Ed Dyas, Iowa State College agronomist, says the Agricultural Experiment Station tests a large number of varieties, and reports on these will be made either this month or early next month.

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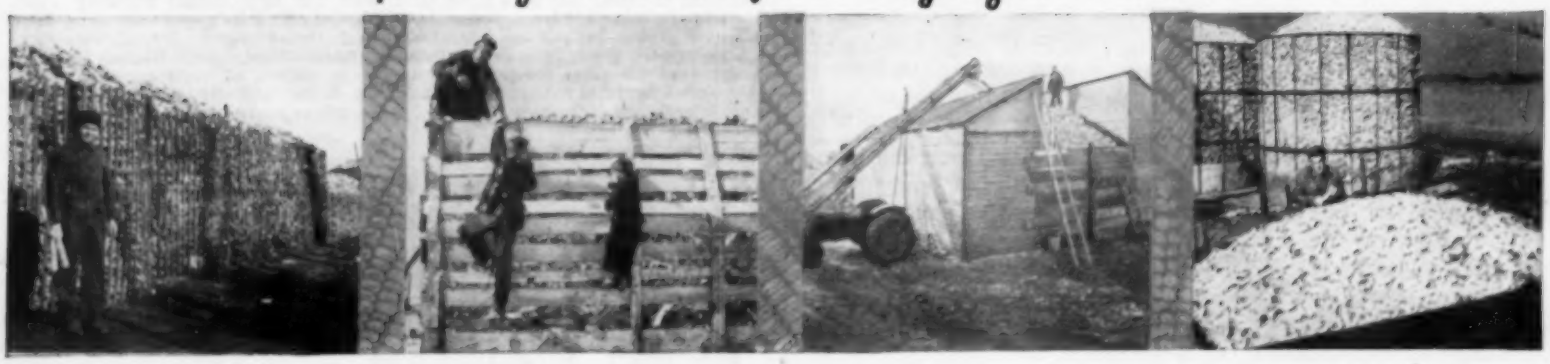
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